

2016
LED DRIVER
CATALOG



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DPV LED Driver

20W Output Power (International AC Voltage)



DPV

HIGHLIGHTS & FEATURES

- Constant Voltage
- Built-in active PFC function, PFC > 0.9
- Universal AC input / Full range
- Short circuit, Over current, Over voltage & Over temperature protection
- Cooling by free air convection
- Class 2 power unit, Isolation class II
- IP54 design
- Produced & designed by Delta Electronics for GLP

GENERAL SPECIFICATIONS



OUTPUT		DPV-20-12	DPV-20-24
Nominal Output Current		1.7A	0.85A
Nominal Output Voltage		12V	24V
Output Power		20.4W	20.4W
INPUT			
Input Voltage Range		90-277Vac (127-390Vdc)	
Input Frequency		50/60Hz	
Power Factor		0.9	
MECHANICAL			
Case Cover / Chassis		Plastic	
Dimensions (L x W x D)		134.5 x 35 x 25.5 mm (5.29" x 1.37" x 1")	
Unit Weight		0.17 kg (0.37 lb)	
Cooling System		Convection	
Input Cable	UL	AWM1316 AWG18 (Line: Black, Neutral: White)	
Output Cable	UL	AWM1316 AWG18 (Positive: Red, Negative: Black)	
MTBF ¹⁾		975,000 hrs	
ENVIRONMENT			
Operating Temperature		-40°C to +60°C	
Storage Temperature		-40°C to +80°C	
Operating Humidity		20 to 95% RH (Non-Condensing)	
Degree of Protection		IP54	

Notes
1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

DMV LED Driver

60-100W Output Power (International AC Voltage)

DMV

HIGHLIGHTS & FEATURES

- Constant Voltage (PWM style output - DMV-xxD-xx)
- Built-in active PFC function, PFC > 0.9
- Universal AC input / Full range
- Short circuit, Over current & Over voltage (Over temperature in DMV-100-24) protection
- Built-in 2 in 1 dimming function: 0-10V or resistance (DMV-xxD)
- Cooling by free air convection
- Class 2 power unit, IP54 design
- Produced & designed by Delta Electronics for GLP

GENERAL SPECIFICATIONS



OUTPUT		DMV-60-12	DMV-60D-12 (PWM output)
Nominal Output Current		5A	5A
Nominal Output Voltage		12V	12V
Output Power		60W	60W
INPUT			
Input Voltage Range		90-277Vac (127-390Vdc)	
Input Frequency		50/60Hz	
Power Factor		0.9	0.95
MECHANICAL			
Case Cover / Chassis		Metal	
Dimensions (L x W x D)		241 x 43 x 30 mm (9.49" x 1.69" x 1.18")	
Unit Weight		0.64 kg (1.41 lb)	
Cooling System		Convection	
Input Cable	UL	AWG18 (Line: Black, Neutral: White)	
Output Cable	UL	AWG18 (Positive: Red, Negative: Black), DIMMING (DMV-60D-12 only) - AWG22 (Positive: Purple, Negative: Grey)	
MTBF ¹⁾		975,000 hrs	
ENVIRONMENT			
Operating Temperature		-30°C to +60°C	
Storage Temperature		-40°C to +80°C	
Operating Humidity		20 to 95% RH (Non-Condensing)	
Degree of Protection		IP54	

OUTPUT		DMV-80D-24 (PWM output)	DMV-100-24
Nominal Output Current		3.3A	4.1A
Nominal Output Voltage		24V	24V
Output Power		80W	100W
INPUT			
Input Voltage Range		90-277Vac (127-390Vdc)	90-305Vac (127-430Vdc)
Input Frequency		50/60Hz	
Power Factor		0.9	
MECHANICAL			
Case Cover / Chassis		Metal	
Dimensions (L x W x D)		241 x 43 x 30 mm (9.49" x 1.69" x 1.18")	
Unit Weight		0.62 kg (1.36 lb)	0.63 kg (1.39 lb)
Cooling System		Convection	
Input Cable	UL	AWG18 (Line: Black, Neutral: White)	
Output Cable	UL	AWG18 (Positive: Red, Negative: Black), DIMMING (DMV-80D-24 only) - AWG22 (Positive: Purple, Negative: Grey)	
MTBF ¹⁾		975,000 hrs	
ENVIRONMENT			
Operating Temperature		-30°C to +60°C	
Storage Temperature		-40°C to +80°C	
Operating Humidity		20 to 95% RH (Non-Condensing)	
Degree of Protection		IP54	

Notes

1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).

2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

DMVL LED Driver

100W Output Power (International AC Voltage)



DMVL

HIGHLIGHTS & FEATURES

- Constant Voltage
- Built-in active PFC function, PFC > 0.9
- Universal AC input / Full range
- Short circuit, Over current, Over voltage & Over temperature protection
- Cooling by free air convection
- Class 2 power unit, Isolation class II
- IP54 design
- Produced & designed by Delta Electronics for GLP

GENERAL SPECIFICATIONS



OUTPUT		DMVL-100-24	
Nominal Output Current		4.1A	
Nominal Output Voltage		24V	
Output Power		100W	
INPUT			
Input Voltage Range		90-305Vac (127-430Vdc)	
Input Frequency		50/60Hz	
Power Factor		0.9	
MECHANICAL			
Case Cover / Chassis		Metal	
Dimensions (L x W x D)		280 x 43 x 27 mm (11.02" x 1.69" x 1.06")	
Unit Weight		0.63 kg (1.39 lb)	
Cooling System		Convection	
Input Cable	UL	AWG18 (Line: Black, Neutral: White)	
Output Cable	UL	AWG18 (Positive: Red, Negative: Black)	
MTBF ¹⁾		975,000 hrs	
ENVIRONMENT			
Operating Temperature		-25°C to +55°C	
Storage Temperature		-40°C to +80°C	
Operating Humidity		20 to 95% RH (Non-Condensing)	
Degree of Protection		IP54	

Notes
1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

DLG LED Driver

100-200W Output Power (International AC Voltage)



DLG

HIGHLIGHTS & FEATURES

- Constant Voltage
- Built-in active PFC function, PF > 0.9
- Universal AC input / Full range
- Short circuit, Over current & Over voltage (Over temperature in DLG-100-12 & DLG-150-12) protection
- Cooling by free air convection
- IP67 design
- Produced & designed by Delta Electronics for GLP

GENERAL SPECIFICATIONS



OUTPUT		DLG-100-12	DLG-150-12	DLG-150-24
Nominal Output Current		8.33A	12.5A	6.25A
Nominal Output Voltage		12V	12V	24V
Output Power		100W	150W	150W
INPUT				
Input Voltage Range		120-240Vac	108-264Vac (152-370Vdc)	120-277Vac
Input Frequency		50/60Hz		
Power Factor		0.9		
MECHANICAL				
Case Cover / Chassis		Metal		
Dimensions (L x W x D)		246 x 60 x 34 mm (9.68" x 2.36" x 1.34")	256 x 68 x 37 mm (10.07" x 2.67" x 1.46")	240 x 66 x 38.5 mm (9.45" x 2.59" x 1.52")
Unit Weight		0.9 kg (1.98 lb)	1.14 kg (2.51 lb)	1.24 kg (2.73 lb)
Cooling System		Convection		
Input Cable	UL	H05RN-F (Line: Brown, Neutral: Blue)		
Output Cable	UL	66(YCW) (Positive: Red, Negative: Black)		
MTBF ¹⁾		975,000 hrs		
ENVIRONMENT				
Operating Temperature		-25°C to +60°C		-40°C to +60°C
Storage Temperature		-40°C to +80°C		
Operating Humidity		20 to 95% RH (Non-Condensing)		
Degree of Protection		IP67		

OUTPUT		DLG-150-36		DLG-200-24	
Nominal Output Current		4.17A		8.3A	
Nominal Output Voltage		36V		24V	
Output Power		150W		200W	
INPUT					
Input Voltage Range		100-277Vac			
Input Frequency		50/60Hz			
Power Factor		0.9			
MECHANICAL					
Case Cover / Chassis		Metal			
Dimensions (L x W x D)		240 x 69 x 38.5 mm (9.45" x 2.72" x 1.52")		305 x 69 x 38.5 mm (12" x 2.72" x 1.52")	
Unit Weight		1.22 kg (2.69 lb)		1.5 kg (3.30 lb)	
Cooling System		Convection			
Input Cable	UL	H05RN-F (Line: Brown, Neutral: Blue)			
Output Cable	UL	66(YCW) (Positive: Red, Negative: Black)			
MTBF ¹⁾		975,000 hrs			
ENVIRONMENT					
Operating Temperature		-40°C to +60°C			
Storage Temperature		-40°C to +80°C			
Operating Humidity		20 to 95% RH (Non-Condensing)			
Degree of Protection		IP67			

Notes

1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).

2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

DPCR LED Driver

16W Output Power (Constant Current)



DPCR

HIGHLIGHTS & FEATURES

- Constant Current
- Universal AC input / Full range
- Short circuit, Over voltage & Over temperature protection
- Cooling by free air convection
- IP54 design
- Produced & designed by Delta Electronics for GLP

GENERAL SPECIFICATIONS



OUTPUT		DPCR-16-400
Nominal Output Current		400mA
Nominal Output Voltage		21-40V
Output Power		16W
INPUT		
Input Voltage Range		100-277Vac
Input Frequency		50/60Hz
Power Factor		0.9
MECHANICAL		
Case Cover / Chassis		Plastic
Dimensions (L x W x D)		79 x 77 x 26 mm (3.11" x 3.03" x 1.02")
Unit Weight		0.18 kg (0.39 lb)
Cooling System		Convection
Input Cable	UL	AWG18 (Line: Black, Neutral: White)
Output Cable	UL	AWG18 (Positive: Red, Negative: Black)
MTBF ¹⁾		975,000 hrs
ENVIRONMENT		
Operating Temperature		-20°C to +55°C
Storage Temperature		-40°C to +80°C
Operating Humidity		20 to 95% RH (Non-Condensing)
Degree of Protection		IP54

Notes
1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

DMC LED Driver

40W Output Power (Constant Current)

DMC

HIGHLIGHTS & FEATURES

- Constant Current
- Universal AC input / Full range
- Short circuit, Over voltage & Over temperature protection
- Cooling by free air convection
- Produced & designed by Delta Electronics for GLP



GENERAL SPECIFICATIONS



OUTPUT		DMC-40D-700	DMC-40D-1050
Nominal Output Current		700mA	1050mA
Nominal Output Voltage		32-55V	26-38V
Output Power		38.5W	40W
INPUT			
Input Voltage Range		120-277Vac	
Input Frequency		50/60Hz	
Power Factor		0.9	
MECHANICAL			
Case Cover / Chassis		Metal	
Dimensions (L x W x D)		241.3 x 33 x 25.4 mm (9.5" x 1.29" x 1")	
Unit Weight		0.4 kg (0.88 lb)	
Cooling System		Convection	
Input Cable	UL	UL1316 AWG18 (Line: Black, Neutral: White)	
Output Cable	UL	UL1316 AWG18 (Positive: Red, Negative: Black)	
MTBF ¹⁾		> 500,000 hrs	
ENVIRONMENT			
Operating Temperature		-40°C to +55°C	
Storage Temperature		-40°C to +80°C	
Operating Humidity		20 to 95% RH (Non-Condensing)	
Degree of Protection		-	

Notes

1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).

2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

FTPC LED Driver

6-15W Output Power (European AC Voltage)



FTPC

HIGHLIGHTS & FEATURES

- Constant Voltage
- European AC Input
- Short circuit, Over current & Over temperature protection
- Cooling by free air convection
- Isolation class II
- Compliance to worldwide safety regulations for lighting



GENERAL SPECIFICATIONS



OUTPUT		FTPC6V12	FTPC8V12
Nominal Output Current		0.5A	0.67A
Nominal Output Voltage		12V	12V
Output Power		6W	8W
INPUT			
Input Voltage Range		180-264Vac	
Input Frequency		50/60Hz	
MECHANICAL			
Case Cover / Chassis		Plastic	
Dimensions (L x W x D)		98.4 x 32.8 x 11 mm (3.87" x 1.29" x 0.43")	94.5 x 46.2 x 18.5 mm (3.72" x 1.82" x 0.73")
Unit Weight		0.044 kg (0.09 lb)	0.064 kg (0.14 lb)
Cooling System		Convection	
Input Cable	UL	-	
Output Cable	UL	-	
MTBF ¹⁾		> 500,000 hrs	
ENVIRONMENT			
Operating Temperature		-20°C to +45°C	
Storage Temperature		-40°C to +80°C	
Operating Humidity		20 to 95% RH (Non-Condensing)	
Degree of Protection		IP20	

OUTPUT		FTPC12V12	FTPC12V24	FTPC15V12	FTPC15V12VF
Nominal Output Current		1A	0.5A	1.25A	1.25A
Nominal Output Voltage		12V	24V	12V	12V
Output Power		12W	12W	15W	15W
INPUT					
Input Voltage Range		180-264Vac			
Input Frequency		50/60Hz			
MECHANICAL					
Case Cover / Chassis		Plastic			
Dimensions (L x W x D)		127 x 50 x 11 mm (5" x 1.97" x 0.43")		123 x 44 x 19.2 mm (4.84" x 1.73" x 0.75")	128 x 51 x 14 mm (5.04" x 2" x 0.55")
Unit Weight		0.06 kg (0.13 lb)		0.069 kg (0.15 lb)	0.075 kg (0.16 lb)
Cooling System		Convection			
Input Cable	UL	-			
Output Cable	UL	-			
MTBF ¹⁾		> 500,000 hrs			
ENVIRONMENT					
Operating Temperature		-20°C to +45°C			
Storage Temperature		-40°C to +80°C			
Operating Humidity		20 to 95% RH (Non-Condensing)			
Degree of Protection		IP20			

Notes

1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).

2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

FTPC LED Driver

20-50W Output Power (European AC Voltage)



FTPC

HIGHLIGHTS & FEATURES

- Constant Voltage
- European AC Input
- Short circuit, Over current & Over temperature protection
- Cooling by free air convection
- Built-in active PFC function (without FTPC20V12)
- Isolation class II
- Compliance to worldwide safety regulations for lighting



GENERAL SPECIFICATIONS



OUTPUT		FTPC20V12	FTPC30V12	FTPC30V24	FTPC30V12-C
Nominal Output Current		1.67A	2.5A	1.25A	2.5A
Nominal Output Voltage		12V	12V	24V	12V
Output Power		20W	30W	30W	30W
INPUT					
Input Voltage Range		180-264Vac			
Input Frequency		50/60Hz			
Power Factor		-	0.9		
MECHANICAL					
Case Cover / Chassis		Plastic			
Dimensions (L x W x D)		154 x 50 x 14 mm (6.06" x 1.97" x 0.55")	159 x 58 x 18 mm (6.26" x 2.28" x 0.71")		156 x 50 x 17 mm (6.14" x 1.97" x 0.67")
Unit Weight		0.11 kg (0.24 lb)	0.16 kg (0.35 lb)		0.15 kg (0.33 lb)
Cooling System		Convection			
Input Cable	UL	-			
Output Cable	UL	-			
MTBF ¹⁾		> 500,000 hrs			
ENVIRONMENT					
Operating Temperature		-20°C to +45°C			
Storage Temperature		-40°C to +80°C			
Operating Humidity		20 to 95% RH (Non-Condensing)			
Degree of Protection		IP20			

OUTPUT		FTPC50V12		FTPC50V24		FTPC50V12-C	
Nominal Output Current		4.17A		2.08A		4.2A	
Nominal Output Voltage		12V		24V		12V	
Output Power		50W		49.9W		50.4W	
INPUT							
Input Voltage Range		180-264Vac					
Input Frequency		50/60Hz					
Power Factor		0.9					
MECHANICAL							
Case Cover / Chassis		Plastic					
Dimensions (L x W x D)		185 x 64 x 22 mm (7.28" x 2.52" x 0.86")				160 x 50 x 18 mm (6.3" x 1.97" x 0.71")	
Unit Weight		0.5 kg (0.55 lb)				0.16 kg (0.35 lb)	
Cooling System		Convection					
Input Cable	UL	-					
Output Cable	UL	-					
MTBF ¹⁾		> 500,000 hrs					
ENVIRONMENT							
Operating Temperature		-20°C to +45°C					
Storage Temperature		-40°C to +80°C					
Operating Humidity		20 to 95% RH (Non-Condensing)					
Degree of Protection		IP20					

Notes

1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).

2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.



FTPC LED Driver

75-100W Output Power (European AC Voltage)



FTPC

HIGHLIGHTS & FEATURES

- Constant Voltage
- European AC Input
- Short circuit, Over current & Over temperature protection
- Cooling by free air convection
- Built-in active PFC function
- Isolation class II
- Compliance to worldwide safety regulations for lighting



GENERAL SPECIFICATIONS



OUTPUT		FTPC75V12	FTPC75V24
Nominal Output Current		6.25A	3.12A
Nominal Output Voltage		12V	24V
Output Power		75W	75W
INPUT			
Input Voltage Range		180-264Vac	
Input Frequency		50/60Hz	
Power Factor		0.9	
MECHANICAL			
Case Cover / Chassis		Plastic	
Dimensions (L x W x D)		201 x 64 x 30 mm (7.91" x 2.52" x 1.18")	
Unit Weight		0.35 kg (0.77 lb)	
Cooling System		Convection	
Input Cable	UL	-	
Output Cable	UL	-	
MTBF ¹⁾		> 500,000 hrs	
ENVIRONMENT			
Operating Temperature		-20°C to +45°C	
Storage Temperature		-40°C to +80°C	
Operating Humidity		20 to 95% RH (Non-Condensing)	
Degree of Protection		IP20	

OUTPUT		FTPC100V12	FTPC100V24
Nominal Output Current		8.33A	4.17A
Nominal Output Voltage		12V	24V
Output Power		100W	100W
INPUT			
Input Voltage Range		90-264Vac	
Input Frequency		50/60Hz	
Power Factor		0.9	
MECHANICAL			
Case Cover / Chassis		Plastic	
Dimensions (L x W x D)		180 x 65.5 x 31.2 mm (7.08" x 2.58" x 1.22")	
Unit Weight		0.4 kg (0.88 lb)	
Cooling System		Convection	
Input Cable	UL	-	
Output Cable	UL	-	
MTBF ¹⁾		> 500,000 hrs	
ENVIRONMENT			
Operating Temperature		-20°C to +45°C	
Storage Temperature		-40°C to +80°C	
Operating Humidity		20 to 95% RH (Non-Condensing)	
Degree of Protection		IP20	

Notes

1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).

2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

FTPC-S LED Driver

30-60W Output Power (European AC Voltage)



FTPC-S

HIGHLIGHTS & FEATURES

- Constant Voltage
- European AC Input
- Short circuit, Over current, Over voltage & Over temperature protection
- Cooling by free air convection
- Built-in active PFC function
- Isolation class II
- Compliance to worldwide safety regulations for lighting
- Extremely short and slim case size



GENERAL SPECIFICATIONS



OUTPUT		FTPC30V12-S		FTPC30V24-S	
Nominal Output Current		2.5A		1.25A	
Nominal Output Voltage		12V		24V	
Output Power		30W		30W	
INPUT					
Input Voltage Range		180-264Vac			
Input Frequency		50/60Hz			
Power Factor		0.9			
MECHANICAL					
Case Cover / Chassis		Plastic			
Dimensions (L x W x D)		251 x 30 x 16 mm (9.88" x 1.18" x 0.63")			
Unit Weight		0.115 kg (0.25 lb)			
Cooling System		Convection			
Input Cable	UL	-			
Output Cable	UL	-			
MTBF ¹⁾		> 500,000 hrs			
ENVIRONMENT					
Operating Temperature		-20°C to +45°C			
Storage Temperature		-40°C to +80°C			
Operating Humidity		20 to 95% RH (Non-Condensing)			
Degree of Protection		IP20			

OUTPUT		FTPC60V12-S		FTPC60V24-S	
Nominal Output Current		5A		2.55A	
Nominal Output Voltage		12V		24V	
Output Power		60W		60W	
INPUT					
Input Voltage Range		180-264Vac			
Input Frequency		50/60Hz			
Power Factor		0.9			
MECHANICAL					
Case Cover / Chassis		Plastic			
Dimensions (L x W x D)		304.5 x 30 x 17 mm (11.98" x 1.18" x 0.66")			
Unit Weight		0.165 kg (0.36 lb)			
Cooling System		Convection			
Input Cable	UL	-			
Output Cable	UL	-			
MTBF ¹⁾		> 500,000 hrs			
ENVIRONMENT					
Operating Temperature		-20°C to +45°C			
Storage Temperature		-40°C to +80°C			
Operating Humidity		20 to 95% RH (Non-Condensing)			
Degree of Protection		IP20			

Notes

1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).

2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.



FTPC LED Driver

12-30W Output Power (Constant Current)



FTPC

HIGHLIGHTS & FEATURES

- Constant Current
- Cooling by free air convection
- Built-in active PFC function (FTPC30C700)
- Short circuit & Over temperature protection
- Isolation class II
- Compliance to worldwide safety regulations for lighting

ULTRA
SLIM
CASE

GENERAL SPECIFICATIONS



SELV

OUTPUT		FTPC12C350	FTPC15C350
Nominal Output Current		350mA	350mA
Nominal Output Voltage		0-34V	30-43V
Output Power		11.9W	15W
INPUT			
Input Voltage Range		180-264Vac	
Input Frequency		50/60Hz	
Power Factor		0.5	
MECHANICAL			
Case Cover / Chassis		Plastic	
Dimensions (L x W x D)		127 x 50 x 10 mm (5" x 1.97" x 0.39")	128 x 51 x 14 mm (5.04" x 2" x 0.55")
Unit Weight		0.055 kg (0.12 lb)	0.075 kg (0.16 lb)
Cooling System		Convection	
Input Cable	UL	-	
Output Cable	UL	-	
MTBF ¹⁾		> 500,000 hrs	
ENVIRONMENT			
Operating Temperature		-20°C to +45°C	
Storage Temperature		-40°C to +80°C	
Operating Humidity		20 to 95% RH (Non-Condensing)	
Degree of Protection		IP20	

OUTPUT		FTPC20C350	FTPC20C700	FTPC30C700
Nominal Output Current		350mA	700mA	700mA
Nominal Output Voltage		30-56V	14-29V	21.4-42.8V
Output Power		19.6W	20.3W	29.96W
INPUT				
Input Voltage Range		180-264Vac		
Input Frequency		50/60Hz		
Power Factor		0.5		0.9
MECHANICAL				
Case Cover / Chassis		Plastic		
Dimensions (L x W x D)		159 x 58 x 18 mm (6.26" x 2.28" x 0.71")		160 x 58 x 18 mm (6.3" x 2.28" x 0.71")
Unit Weight		0.11 kg (0.24 lb)		0.16 kg (0.35 lb)
Cooling System		Convection		
Input Cable	UL	-		
Output Cable	UL	-		
MTBF ¹⁾		> 500,000 hrs		
ENVIRONMENT				
Operating Temperature		-20°C to +45°C		
Storage Temperature		-40°C to +80°C		
Operating Humidity		20 to 95% RH (Non-Condensing)		
Degree of Protection		IP20		

Notes

1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).

2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

FTPC LED Driver

40-60W Output Power (Constant Current)



FTPC

HIGHLIGHTS & FEATURES

- Constant Current
- Cooling by free air convection
- Built-in active PFC function
- Short circuit & Over temperature protection
- Isolation class II
- Compliance to worldwide safety regulations for lighting



GENERAL SPECIFICATIONS



OUTPUT		FTPC40C700	FTPC40C1050
Nominal Output Current		700mA	1050mA
Nominal Output Voltage		29-57V	19-38V
Output Power		39.9W	39.9W
INPUT			
Input Voltage Range		180-264Vac	
Input Frequency		50/60Hz	
Power Factor		0.9	
MECHANICAL			
Case Cover / Chassis		Plastic	
Dimensions (L x W x D)		159 x 58 x 18 mm (6.26" x 2.28" x 0.71")	
Unit Weight		0.18 kg (0.39 lb)	
Cooling System		Convection	
Input Cable	UL	-	
Output Cable	UL	-	
MTBF ¹⁾		> 500,000 hrs	
ENVIRONMENT			
Operating Temperature		-20°C to +45°C	
Storage Temperature		-40°C to +80°C	
Operating Humidity		20 to 95% RH (Non-Condensing)	
Degree of Protection		IP20	

OUTPUT		FTPC60C1050	FTPC60C1400	FTPC60C2100
Nominal Output Current		1050mA	1400mA	2100mA
Nominal Output Voltage		28.5-57V	21-42.5V	14.5-28.5V
Output Power		59.85W	59.5W	59.85W
INPUT				
Input Voltage Range		180-264Vac		
Input Frequency		50/60Hz		
Power Factor		0.9		
MECHANICAL				
Case Cover / Chassis		Plastic		
Dimensions (L x W x D)		185 x 64 x 22 mm (7.28" x 2.52" x 0.87")		
Unit Weight		0.25 kg (0.55 lb)		
Cooling System		Convection		
Input Cable	UL	-		
Output Cable	UL	-		
MTBF ¹⁾		> 500,000 hrs		
ENVIRONMENT				
Operating Temperature		-20°C to +45°C		
Storage Temperature		-40°C to +80°C		
Operating Humidity		20 to 95% RH (Non-Condensing)		
Degree of Protection		IP20		

Notes

1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).

2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.



FTPC-S LED Driver

30W Output Power (Constant Current)



FTPC-S

HIGHLIGHTS & FEATURES

- Constant Current
- European AC Input
- Cooling by free air convection
- Built-in active PFC function
- Short circuit protection
- Isolation class II
- Compliance to worldwide safety regulations for lighting
- Extremely short and slim case size



GENERAL SPECIFICATIONS



OUTPUT		FTPC30C350-S	FTPC30C500-S
Nominal Output Current		350mA	500mA
Nominal Output Voltage		43-86V	30-60V
Output Power		30.1W	30W
INPUT			
Input Voltage Range		180-264Vac	
Input Frequency		50/60Hz	
Power Factor		0.9	
MECHANICAL			
Case Cover / Chassis		Plastic	
Dimensions (L x W x D)		251 x 30 x 16 mm (9.88" x 1.18" x 0.63")	
Unit Weight		0.155 kg (0.25 lb)	
Cooling System		Convection	
Input Cable	UL	-	
Output Cable	UL	-	
MTBF ¹⁾		> 500,000 hrs	
ENVIRONMENT			
Operating Temperature		-20°C to +45°C	
Storage Temperature		-40°C to +80°C	
Operating Humidity		20 to 95% RH (Non-Condensing)	
Degree of Protection		IP20	

OUTPUT		FTPC30C700-S	FTPC30C1050-S	FTPC30C1400-S
Nominal Output Current		700mA	1050mA	1400mA
Nominal Output Voltage		21-43V	14-29V	11-22V
Output Power		30.1W	30.45W	30.8W
INPUT				
Input Voltage Range		180-264Vac		
Input Frequency		50/60Hz		
Power Factor		0.9		
MECHANICAL				
Case Cover / Chassis		Plastic		
Dimensions (L x W x D)		251 x 30 x 16 mm (9.88" x 1.18" x 0.63")		
Unit Weight		0.155 kg (0.25 lb)		
Cooling System		Convection		
Input Cable	UL	-		
Output Cable	UL	-		
MTBF ¹⁾		> 500,000 hrs		
ENVIRONMENT				
Operating Temperature		-20°C to +45°C		
Storage Temperature		-40°C to +80°C		
Operating Humidity		20 to 95% RH (Non-Condensing)		
Degree of Protection		IP20		

Notes

- 1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

MCHQ LED Driver

12V Output (International AC Voltage)



MCHQ

HIGHLIGHTS & FEATURES

- Constant Voltage
- Universal AC input / Full range
- Short circuit, Overload, Over voltage & Over temperature protection
- Cooling by free air convection
- Built-in active PFC function
- IP67 design for indoor and outdoor appliances
- Compliance to worldwide regulations for lighting

GENERAL SPECIFICATIONS



OUTPUT		MCHQ100V12	MCHQ150V12	MCHQ200V12
Nominal Output Current		8.3A	12.5A	15A
Nominal Output Voltage		12V	12V	12V
Output Power		99.6W	150W	180W
INPUT				
Input Voltage Range		90-264Vac		
Input Frequency		50/60Hz		
Power Factor		0.98		
MECHANICAL				
Case Cover / Chassis		Metal		
Dimensions (L x W x D)		217 x 67 x 34 mm (8.54" x 2.63" x 1.34")	217 x 67 x 42 mm (8.54" x 2.63" x 1.65")	237 x 67 x 42 mm (9.33" x 2.63" x 1.65")
Unit Weight		0.9 kg (1.98 lb)	1.1 kg (2.42 lb)	1.25 kg (2.75 lb)
Cooling System		Convection		
Input Cable	UL	H05RN-F (Line: Brown, Neutral: Blue, PE: Green/Yellow)		
Output Cable	UL	H05RN-F (Positive: Red, Negative: Black)		
MTBF ¹⁾		352,000 hrs		
ENVIRONMENT				
Operating Temperature		-20°C to +45°C		
Storage Temperature		-30°C to +70°C		
Operating Humidity		20 to 98% RH (Non-Condensing)		
Degree of Protection		IP67		

MCHQ A & B AVAILABLE ALSO AS SILVER CASE



Notes
1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

MCHQ LED Driver

24V Output (International AC Voltage)



MCHQ

HIGHLIGHTS & FEATURES

- Constant Voltage
- Universal AC input / Full range
- Short circuit, Overload, Over voltage & Over temperature protection
- Cooling by free air convection
- Built-in active PFC function
- IP67 design for indoor and outdoor appliances
- Compliance to worldwide regulations for lighting

GENERAL SPECIFICATIONS



OUTPUT		MCHQ100V24	MCHQ150V24	MCHQ200V24
Nominal Output Current		4.17A	6.25A	8.3A
Nominal Output Voltage		24V	24V	24V
Output Power		100.08W	150W	200W
INPUT				
Input Voltage Range		90-264Vac		
Input Frequency		50/60Hz		
Power Factor		0.98		
MECHANICAL				
Case Cover / Chassis		Metal		
Dimensions (L x W x D)		217 x 67 x 34 mm (8.54" x 2.63" x 1.34")	217 x 67 x 42 mm (8.54" x 2.63" x 1.65")	237 x 67 x 42 mm (9.33" x 2.63" x 1.65")
Unit Weight		0.9 kg (1.98 lb)	1.1 kg (2.42 lb)	1.25 kg (2.75 lb)
Cooling System		Convection		
Input Cable	UL	H05RN-F (Line: Brown, Neutral: Blue, PE: Green/Yellow)		
Output Cable	UL	H05RN-F (Positive: Red, Negative: Black)		
MTBF ¹⁾		352,000 hrs		
ENVIRONMENT				
Operating Temperature		-20°C to +45°C		
Storage Temperature		-30°C to +70°C		
Operating Humidity		20 to 98% RH (Non-Condensing)		
Degree of Protection		IP67		

Notes
1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

MCHQ LED Driver

36-48V Output (International AC Voltage)



MCHQ

HIGHLIGHTS & FEATURES

- Constant Voltage
- Universal AC input / Full range
- Short circuit, Overload, Over voltage & Over temperature protection
- Cooling by free air convection
- Built-in active PFC function
- IP67 design for indoor and outdoor appliances
- Compliance to worldwide regulations for lighting

GENERAL SPECIFICATIONS



OUTPUT		MCHQ100V36	MCHQ100V48
Nominal Output Current		2.78A	2.08A
Nominal Output Voltage		36V	48V
Output Power		100.08W	99.84W
INPUT			
Input Voltage Range		90-264Vac	
Input Frequency		50/60Hz	
Power Factor		0.98	
MECHANICAL			
Case Cover / Chassis		Metal	
Dimensions (L x W x D)		217 x 67 x 34 mm (8.54" x 2.63" x 1.34")	
Unit Weight		0.9 kg (1.98 lb)	
Cooling System		Convection	
Input Cable	UL	H05RN-F (Line: Brown, Neutral: Blue, PE: Green/Yellow)	
Output Cable	UL	H05RN-F (Positive: Red, Negative: Black)	
MTBF ¹⁾		352,000 hrs	
ENVIRONMENT			
Operating Temperature		-20°C to +45°C	
Storage Temperature		-30°C to +70°C	
Operating Humidity		20 to 98% RH (Non-Condensing)	
Degree of Protection		IP67	

OUTPUT		MCHQ150V36	MCHQ150V48	MCHQ200V36
Nominal Output Current		4.17A	3.12A	5.55A
Nominal Output Voltage		36V	48V	36V
Output Power		150W	150W	199.8W
INPUT				
Input Voltage Range		90-264Vac		
Input Frequency		50/60Hz		
Power Factor		0.98		
MECHANICAL				
Case Cover / Chassis		Metal		
Dimensions (L x W x D)		217 x 67 x 42 mm (8.54" x 2.63" x 1.65")		237 x 67 x 42 mm (9.33" x 2.63" x 1.65")
Unit Weight		1.1 kg (2.42 lb)		1.25 kg (2.75 lb)
Cooling System		Convection		
Input Cable	UL	H05RN-F (Line: Brown, Neutral: Blue, PE: Green/Yellow)		
Output Cable	UL	H05RN-F (Positive: Red, Negative: Black)		
MTBF ¹⁾		352,000 hrs		
ENVIRONMENT				
Operating Temperature		-20°C to +45°C		
Storage Temperature		-30°C to +70°C		
Operating Humidity		20 to 98% RH (Non-Condensing)		
Degree of Protection		IP67		

MCHQ-A LED Driver

12V Output (International AC Voltage)



MCHQ-A

HIGHLIGHTS & FEATURES

- Universal AC input / Full range (Max. 305Vac)
- Short circuit, Over current, Over voltage & Over temperature protection
- Cooling by free air convection
- Built-in active PFC function
- IP65 design for indoor and outdoor appliances
- Compliance to worldwide regulations for lighting
- Output voltage and constant current level adjustable by internal potentiometers

GENERAL SPECIFICATIONS



OUTPUT		MCHQ40V12A	MCHQ60V12A	MCHQ80V12A	MCHQ100V12A
Nominal Output Current		3.3A	5A	6.7A	8.1A
Nominal Output Voltage		12V	12V	12V	12V
Output Power		39.6W	60W	80.4W	97.2W
INPUT					
Input Voltage Range		90-305Vac			
Input Frequency		50/60Hz			
Power Factor		0.98			
MECHANICAL					
Case Cover / Chassis		Metal			
Dimensions (L x W x D)		157 x 53 x 36.5 mm (6.18" x 2.08" x 1.43")	172 x 53 x 36.5 mm (6.77" x 2.08" x 1.43")	172.4 x 61.5 x 36.5 mm (6.78" x 2.42" x 1.43")	190 x 61.5 x 36.5 mm (7.48" x 2.42" x 1.43")
Unit Weight		0.5 kg (1.1 lb)	0.6 kg (1.32 lb)	0.7 kg (1.54 lb)	0.75 kg (1.65 lb)
Cooling System		Convection			
Input Cable	UL	H05RN-F (Line: Brown, Neutral: Blue, PE: Green/Yellow)			
Output Cable	UL	SJTW 18AWG (Positive: Red, Negative: Black)			
MTBF ¹⁾		45,000 hrs		43,800 hrs	225,000 hrs
ENVIRONMENT					
Operating Temperature		-40°C to +70°C			
Storage Temperature		-40°C to +80°C			
Operating Humidity		15 to 95% RH (Non-Condensing)			
Degree of Protection		IP65			

OUTPUT		MCHQ150V12A	MCHQ185V12A	MCHQ250V12A	MCHQ320V12A
Nominal Output Current		12.5A	14A	18A	22A
Nominal Output Voltage		12V	12V	12V	12V
Output Power		150W	168W	216W	264W
INPUT					
Input Voltage Range		90-305Vac			
Input Frequency		50/60Hz			
Power Factor		0.98			
MECHANICAL					
Case Cover / Chassis		Metal			
Dimensions (L x W x D)		221 x 61.5 x 36.5 mm (8.7" x 2.42" x 1.43")	195 x 73.5 x 38.5 mm (7.67" x 2.89" x 1.51")	226 x 73.5 x 38.5 mm (8.89" x 2.89" x 1.51")	246 x 84 x 41.3 mm (9.68" x 3.3" x 1.62")
Unit Weight		0.9 kg (1.98 lb)	1 kg (2.2 lb)	1.1 kg (2.42 lb)	1.3 kg (2.86 lb)
Cooling System		Convection			
Input Cable	UL	H05RN-F (Line: Brown, Neutral: Blue, PE: Green/Yellow)			
Output Cable	UL	SJTW 14AWG (Positive: Red, Negative: Black)			
MTBF ¹⁾		225,000 hrs			
ENVIRONMENT					
Operating Temperature		-40°C to +70°C			
Storage Temperature		-40°C to +80°C			
Operating Humidity		15 to 95% RH (Non-Condensing)			
Degree of Protection		IP65			

Notes

1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).

2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

MCHQ-A LED Driver

15-24V Output (International AC Voltage)



MCHQ-A

HIGHLIGHTS & FEATURES

- Universal AC input / Full range (Max. 305Vac)
- Short circuit, Over current, Over voltage & Over temperature protection
- Cooling by free air convection
- Built-in active PFC function
- IP65 design for indoor and outdoor appliances
- Compliance to worldwide regulations for lighting
- Output voltage and constant current level adjustable by internal potentiometers

GENERAL SPECIFICATIONS



OUTPUT		MCHQ40V24A	MCHQ60V24A	MCHQ80V24A	MCHQ100V24A
Nominal Output Current		1.66A	2.5A	3.33A	4.1A
Nominal Output Voltage		24V	24V	24V	24V
Output Power		39.84W	60W	79.92W	98.4W
INPUT					
Input Voltage Range		90-305Vac			
Input Frequency		50/60Hz			
Power Factor		0.98			
MECHANICAL					
Case Cover / Chassis		Metal			
Dimensions (L x W x D)		157 x 53 x 36.5 mm (6.18" x 2.08" x 1.43")	172 x 53 x 36.5 mm (6.77" x 2.08" x 1.43")	172.4 x 61.5 x 36.5 mm (6.78" x 2.42" x 1.43")	190 x 61.5 x 36.5 mm (7.48" x 2.42" x 1.43")
Unit Weight		0.5 kg (1.1 lb)	0.6 kg (1.32 lb)	0.7 kg (1.54 lb)	0.75 kg (1.65 lb)
Cooling System		Convection			
Input Cable	UL	H05RN-F (Line: Brown, Neutral: Blue, PE: Green/Yellow)			
Output Cable	UL	SJTW 18AWG (Positive: Red, Negative: Black)			
MTBF ¹⁾		45,000 hrs		43,800 hrs	225,000 hrs
ENVIRONMENT					
Operating Temperature		-40°C to +70°C			
Storage Temperature		-40°C to +80°C			
Operating Humidity		15 to 95% RH (Non-Condensing)			
Degree of Protection		IP65			

OUTPUT		MCHQ150V15A/24A		MCHQ185V24A	MCHQ250V24A	MCHQ320V15A/24A	
Nominal Output Current		10A	6.3A	7.7A	10.4A	19A	13A
Nominal Output Voltage		15V	24V	24V	24V	15V	24V
Output Power		150W	151.2W	184.8W	249.6W	285W	320W
INPUT							
Input Voltage Range		90-305Vac					
Input Frequency		50/60Hz					
Power Factor		0.98					
MECHANICAL							
Case Cover / Chassis		Metal					
Dimensions (L x W x D)		221 x 61.5 x 36.5 mm (8.7" x 2.42" x 1.43")	195 x 73.5 x 38.5 mm (7.67" x 2.89" x 1.51")	226 x 73.5 x 38.5 mm (8.89" x 2.89" x 1.51")	246 x 84 x 41.3 mm (9.68" x 3.3" x 1.62")		
Unit Weight		0.9 kg (1.98 lb)	1 kg (2.2 lb)	1.1 kg (2.42 lb)	1.3 kg (2.86 lb)		
Cooling System		Convection					
Input Cable	UL	H05RN-F (Line: Brown, Neutral: Blue, PE: Green/Yellow)					
Output Cable	UL	SJTW 14AWG (Positive: Red, Negative: Black)					
MTBF ¹⁾		225,000 hrs					
ENVIRONMENT							
Operating Temperature		-40°C to +70°C					
Storage Temperature		-40°C to +80°C					
Operating Humidity		15 to 95% RH (Non-Condensing)					
Degree of Protection		IP65					

Notes

1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).

2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.



MCHQ-A LED Driver

36-54V Output (International AC Voltage)

MCHQ-A

HIGHLIGHTS & FEATURES

- Universal AC input / Full range (Max. 305Vac)
- Short circuit, Over current, Over voltage & Over temperature protection
- Cooling by free air convection
- Built-in active PFC function
- IP65 design for indoor and outdoor appliances
- Compliance to worldwide regulations for lighting
- Output voltage and constant current level adjustable by internal potentiometers

GENERAL SPECIFICATIONS



OUTPUT		MCHQ150V36A	MCHQ150V48A
Nominal Output Current		4.2A	2.08A
Nominal Output Voltage		36V	48V
Output Power		151.2W	99.84W
INPUT			
Input Voltage Range		90-305Vac	
Input Frequency		50/60Hz	
Power Factor		0.98	
MECHANICAL			
Case Cover / Chassis		Metal	
Dimensions (L x W x D)		221 x 61.5 x 36.5 mm (8.7" x 2.42" x 1.43")	
Unit Weight		0.9 kg (1.98 lb)	
Cooling System		Convection	
Input Cable	UL	H05RN-F (Line: Brown, Neutral: Blue, PE: Green/Yellow)	
Output Cable	UL	SJTW 14AWG (Positive: Red, Negative: Black)	
MTBF ¹⁾		225,000 hrs	
ENVIRONMENT			
Operating Temperature		-40°C to +70°C	
Storage Temperature		-40°C to +80°C	
Operating Humidity		15 to 95% RH (Non-Condensing)	
Degree of Protection		IP65	

OUTPUT		MCHQ320V36A	MCHQ320V48A	MCHQ320V54A
Nominal Output Current		8.9A	6.7A	6A
Nominal Output Voltage		36V	48V	54V
Output Power		320W	320W	320W
INPUT				
Input Voltage Range		90-305Vac		
Input Frequency		50/60Hz		
Power Factor		0.98		
MECHANICAL				
Case Cover / Chassis		Metal		
Dimensions (L x W x D)		246 x 84 x 41.3 mm (9.68" x 3.3" x 1.62")		
Unit Weight		1.3 kg (2.86 lb)		
Cooling System		Convection		
Input Cable	UL	H05RN-F (Line: Brown, Neutral: Blue, PE: Green/Yellow)		
Output Cable	UL	SJTW 14AWG (Positive: Red, Negative: Black)		
MTBF ¹⁾		225,000 hrs		
ENVIRONMENT				
Operating Temperature		-40°C to +70°C		
Storage Temperature		-40°C to +80°C		
Operating Humidity		15 to 95% RH (Non-Condensing)		
Degree of Protection		IP65		

Notes

1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).

2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

MCHQ-B LED Driver

12V Output (International AC Voltage)



MCHQ-B

HIGHLIGHTS & FEATURES

- Universal AC input / Full range (Max. 305Vac)
- Short circuit, Over current, Over voltage & Over temperature protection
- Cooling by free air convection
- Built-in active PFC function
- IP67 design for indoor and outdoor appliances
- Compliance to worldwide regulations for lighting
- Built-in 3 in 1 dimming function: 1-10V or PWM or resistance

GENERAL SPECIFICATIONS



OUTPUT		MCHQ40V12B	MCHQ60V12B	MCHQ80V12B	MCHQ100V12B
Nominal Output Current		3.3A	5A	6.67A	8.1A
Nominal Output Voltage		12V	12V	12V	12V
Output Power		40W	60W	80W	97W
INPUT					
Input Voltage Range		90-305Vac			
Input Frequency		50/60Hz			
Power Factor		0.98			
MECHANICAL					
Case Cover / Chassis		Metal			
Dimensions (L x W x D)		157 x 53 x 36.5 mm (6.18" x 2.08" x 1.43")	172 x 53 x 36.5 mm (6.77" x 2.08" x 1.43")	172.4 x 61.5 x 36.5 mm (6.78" x 2.42" x 1.43")	190 x 61.5 x 36.5 mm (7.48" x 2.42" x 1.43")
Unit Weight		0.5 kg (1.1 lb)	0.6 kg (1.32 lb)	0.7 kg (1.54 lb)	0.75 kg (1.65 lb)
Cooling System		Convection			
Input Cable	UL	H05RN-F (Line: Brown, Neutral: Blue, PE: Green/Yellow)			
Output Cable	UL	SJTW 18AWG (Positive: Red, Negative: Black), DIMMING - AMW2464 20AWG (Positive +10: White, Positive: Brown, Negative: Blue)			
MTBF ¹⁾		43,200 hrs			225,000 hrs
ENVIRONMENT					
Operating Temperature		-40°C to +70°C			
Storage Temperature		-40°C to +80°C			
Operating Humidity		15 to 95% RH (Non-Condensing)			
Degree of Protection		IP67			

OUTPUT		MCHQ150V12B	MCHQ185V12B	MCHQ250V12B	MCHQ320V12B
Nominal Output Current		12.5A	14A	18A	22A
Nominal Output Voltage		12V	12V	12V	12V
Output Power		150W	168W	216W	264W
INPUT					
Input Voltage Range		90-305Vac			
Input Frequency		50/60Hz			
Power Factor		0.98			
MECHANICAL					
Case Cover / Chassis		Metal			
Dimensions (L x W x D)		221 x 61.5 x 36.5 mm (8.7" x 2.42" x 1.43")	195 x 73 x 38 mm (7.67" x 2.87" x 1.49")	226 x 73.5 x 38.5 mm (8.89" x 2.89" x 1.51")	246 x 84 x 41.3 mm (9.68" x 3.3" x 1.62")
Unit Weight		0.9 kg (1.98 lb)	1 kg (2.2 lb)	1.1 kg (2.42 lb)	1.3 kg (2.86 lb)
Cooling System		Convection			
Input Cable	UL	H05RN-F (Line: Brown, Neutral: Blue, PE: Green/Yellow)			
Output Cable	UL	SJTW 14AWG (Positive: Red, Negative: Black), DIMMING - AMW2464 20AWG (Positive +10: White, Positive: Brown, Negative: Blue)			
MTBF ¹⁾		225,000 hrs			
ENVIRONMENT					
Operating Temperature		-40°C to +70°C			
Storage Temperature		-40°C to +80°C			
Operating Humidity		15 to 95% RH (Non-Condensing)			
Degree of Protection		IP67			

Notes

- ¹⁾ MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
- ²⁾ All parameters are specified at 25°C ambient temperature unless otherwise indicated.



MCHQ-B LED Driver

15-24V Output (International AC Voltage)

MCHQ-B

HIGHLIGHTS & FEATURES

- Universal AC input / Full range (Max. 305Vac)
- Short circuit, Over current, Over voltage & Over temperature protection
- Cooling by free air convection
- Built-in active PFC function
- IP67 design for indoor and outdoor appliances
- Compliance to worldwide regulations for lighting
- Built-in 3 in 1 dimming function: 1-10V or PWM or resistance

GENERAL SPECIFICATIONS



OUTPUT	MCHQ80V24B		MCHQ100V24B	MCHQ150V24B
Nominal Output Current	3.33A		4.1A	6.3A
Nominal Output Voltage	24V		24V	24V
Output Power	80W		99W	151.2W
INPUT				
Input Voltage Range	90-305Vac			
Input Frequency	50/60Hz			
Power Factor	0.98			
MECHANICAL				
Case Cover / Chassis	Metal			
Dimensions (L x W x D)	172.4 x 61.5 x 36.5 mm (6.78" x 2.42" x 1.43")	190 x 61.5 x 36.5 mm (7.48" x 2.42" x 1.43")	221 x 61.5 x 36.5 mm (8.7" x 2.42" x 1.43")	
Unit Weight	0.7 kg (1.54 lb)	0.75 kg (1.65 lb)	0.9 kg (1.98 lb)	
Cooling System	Convection			
Input Cable	UL	H05RN-F (Line: Brown, Neutral: Blue, PE: Green/Yellow)		
Output Cable	UL	SJTW 14AWG (Positive: Red, Negative: Black), DIMMING - AMW2464 20AWG (Positive +10: White, Positive: Brown, Negative: Blue)		
MTBF ¹⁾	43,200 hrs		225,000 hrs	
ENVIRONMENT				
Operating Temperature	-40°C to +70°C			
Storage Temperature	-40°C to +80°C			
Operating Humidity	15 to 95% RH (Non-Condensing)			
Degree of Protection	IP67			

OUTPUT		MCHQ185V24B	MCHQ250V24B	MCHQ320V15B/24B	
Nominal Output Current		7.7A	10.4A	19A	13
Nominal Output Voltage		24V	24V	15V	24V
Output Power		185W	250W	285W	312W
INPUT					
Input Voltage Range		90-305Vac			
Input Frequency		50/60Hz			
Power Factor		0.98			
MECHANICAL					
Case Cover / Chassis		Metal			
Dimensions (L x W x D)		195 x 73 x 38 mm (7.67" x 2.87" x 1.49")	226 x 73.5 x 38.5 mm (8.89" x 2.89" x 1.51")	246 x 84 x 41.3 mm (9.68" x 3.3" x 1.62")	
Unit Weight		1 kg (2.2 lb)	1.1 kg (2.42 lb)	1.3 kg (2.86 lb)	
Cooling System		Convection			
Input Cable	UL	H05RN-F (Line: Brown, Neutral: Blue, PE: Green/Yellow)			
Output Cable	UL	SJTW 14AWG (Positive: Red, Negative: Black), DIMMING - AMW2464 20AWG (Positive +10: White, Positive: Brown, Negative: Blue)			
MTBF ¹⁾		225,000 hrs			
ENVIRONMENT					
Operating Temperature		-40°C to +70°C			
Storage Temperature		-40°C to +80°C			
Operating Humidity		15 to 95% RH (Non-Condensing)			
Degree of Protection		IP67			

Notes

- 1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

MCHQ-B LED Driver

36-54V Output (International AC Voltage)

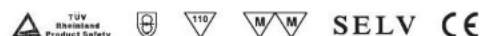


MCHQ-B

HIGHLIGHTS & FEATURES

- Universal AC input / Full range (Max. 305Vac)
- Short circuit, Over current, Over voltage & Over temperature protection
- Cooling by free air convection
- Built-in active PFC function
- IP67 design for indoor and outdoor appliances
- Compliance to worldwide regulations for lighting
- Built-in 3 in 1 dimming function: 1-10V or PWM or resistance

GENERAL SPECIFICATIONS



OUTPUT		MCHQ185V36B	MCHQ250V54B
Nominal Output Current		5.1A	4.63A
Nominal Output Voltage		36V	54V
Output Power		185W	250W
INPUT			
Input Voltage Range		90-305Vac	
Input Frequency		50/60Hz	
Power Factor		0.98	
MECHANICAL			
Case Cover / Chassis		Metal	
Dimensions (L x W x D)		195 x 73 x 38 mm (7.67" x 2.87" x 1.49")	226 x 73.5 x 38.5 mm (8.89" x 2.89" x 1.51")
Unit Weight		1 kg (2.2 lb)	1.1 kg (2.42 lb)
Cooling System		Convection	
Input Cable	UL	H05RN-F (Line: Brown, Neutral: Blue, PE: Green/Yellow)	
Output Cable	UL	SJTW 14AWG (Positive: Red, Negative: Black), DIMMING - AMW2464 20AWG (Positive +10: White, Positive: Brown, Negative: Blue)	
MTBF ¹⁾		225,000 hrs	
ENVIRONMENT			
Operating Temperature		-40°C to +70°C	
Storage Temperature		-40°C to +80°C	
Operating Humidity		15 to 95% RH (Non-Condensing)	
Degree of Protection		IP67	

OUTPUT		MCHQ320V36B	MCHQ320V48B	MCHQ320V54B
Nominal Output Current		8.9A	6.7A	6A
Nominal Output Voltage		36V	48V	54V
Output Power		320.4W	321.6W	324W
INPUT				
Input Voltage Range		90-305Vac		
Input Frequency		50/60Hz		
Power Factor		0.98		
MECHANICAL				
Case Cover / Chassis		Metal		
Dimensions (L x W x D)		246 x 84 x 41.3 mm (9.68" x 3.3" x 1.62")		
Unit Weight		1.3 kg (2.86 lb)		
Cooling System		Convection		
Input Cable	UL	H05RN-F (Line: Brown, Neutral: Blue, PE: Green/Yellow)		
Output Cable	UL	SJTW 14AWG (Positive: Red, Negative: Black), DIMMING - AMW2464 20AWG (Positive +10: White, Positive: Brown, Negative: Blue)		
MTBF ¹⁾		225,000 hrs		
ENVIRONMENT				
Operating Temperature		-40°C to +70°C		
Storage Temperature		-40°C to +80°C		
Operating Humidity		15 to 95% RH (Non-Condensing)		
Degree of Protection		IP67		

Notes

- 1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
- 2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.



LNE LED Driver

12V Output (North American AC Voltage)

LNE

HIGHLIGHTS & FEATURES

- Universal AC input voltage range 90-305Vac
- Up to 92.0% efficiency
- 6kV common mode & 4kV differential mode surge immunity
- Active PFC. Meets IEC/EN 61000-3-2, Class C
- Adjustable voltage & current; dimming option available
- IP65 or IP67 assembly for indoor and outdoor applications

GENERAL SPECIFICATIONS

SELV 

OUTPUT		LNE-12V100W□□□	LNE-12V120W□□□	LNE-12V150W□□□	LNE-12V185W□□□
Nominal Output Voltage		12V	12V	12V	12V
LED System Voltage Range in CC Mode		6-12Vdc	6-12Vdc	6-12Vdc	6-12Vdc
Output Voltage Adjustment Range ¹⁾		10.8-13.5V	10.8-13.5V	10.8-13.5V	10.8-13.5V
Nominal Output Current		8.00A	10.0A	12.5A	13.0A
Output Current Adjustment Range ¹⁾		4.00-8.00A	5.00-10.0A	6.25-12.5A	6.50-13.0A
Output Power		96W	120W	150W	156W
Line Regulation		± 0.5% (@ 90-305Vac)			
Load Regulation		± 2% (@ 90-305Vac, 0-95% load)			
PARD (20MHz)		< 150mVpp			
Hold-up Time		16ms typ. @ 115Vac & 230Vac & 277Vac (100% load)			
INPUT					
Input Voltage Range		90-305Vac			
Input Frequency		47-63Hz			
Input Current		1.30A max. @ 115Vac, 0.65A max. @ 230Vac, 0.60A max. @ 277Vac	1.50A max. @ 115Vac, 0.70A max. @ 230Vac, 0.65A max. @ 277Vac	1.80A max. @ 115Vac, 0.85A max. @ 230Vac, 0.80A max. @ 277Vac	1.90A max. @ 115Vac, 0.90A max. @ 230Vac, 0.80A max. @ 277Vac
Efficiency at 100% Load		90.0% typ. @ 115Vac, 92.0% typ. @ 230Vac & 277Vac	90.0% typ. @ 115Vac, 92.0% typ. @ 230Vac & 277Vac	89.0% typ. @ 115Vac, 91.5% typ. @ 230Vac, 91.0% typ. @ 277Vac	89.0% typ. @ 115Vac, 91.5% typ. @ 230Vac & 277Vac
Max Inrush Current (Cold Start)		65A typ. @ 230Vac			
Power Factor		0.98 typ. @ 115Vac, 0.95 typ. @ 230Vac, 0.93 typ. @ 277Vac		0.98 typ. @ 115Vac, 0.95 typ. @ 230Vac, 0.92 typ. @ 277Vac	
Leakage Current		< 0.75mA @ 305Vac			
MECHANICAL					
Case Cover / Chassis		Aluminium			
Dimensions (L x W x D)		220 x 68 x 38.8 mm (8.66" x 2.68" x 1.53")		228 x 68 x 38.8 mm (8.98" x 2.68" x 1.53")	
Unit Weight		0.98 kg (2.16 lb)	0.98 kg (2.16 lb)	1.04 kg (2.29 lb)	1.04 kg (2.29 lb)
Cooling System		Convection			
Input Cable	UL	SJTW 18AWGX3C (Line: Brown, Neutral: Blue, PE: Green/Yellow)			
Output Cable	UL	SJTW 14AWGX2C (Positive: Red, Negative: Black)			
Dimming Cable	UL	SJTW 18AWGX2C (Positive: White, Negative: Blue)			
MTBF ²⁾		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT					
Operating Temperature		-40°C to +70°C			
Storage Temperature		-40°C to +85°C			
Power De-rating		> 60°C (4% / °C)			
Operating Humidity		5 to 95% RH (Non-Condensing)			
Operating Altitude		0 to 3,000m (0 to 9,840 ft)			
Degree of Protection		IP65 (LNE-12V□□□□WA□□□); IP67 (LNE-12V□□□□WD□□□)			

Notes

1) For LNE-12V□□□□WA□□□ package type only.

2) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).

3) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

LNE LED Driver

12V Output (International AC Voltage)



LNE

HIGHLIGHTS & FEATURES

- Universal AC input voltage range 90-264Vac
- Up to 92.0% efficiency
- 6kV common mode & 4kV differential mode surge immunity
- Active PFC. Meets IEC/EN 61000-3-2, Class C
- Adjustable voltage & current; dimming option available
- IP65 or IP67 assembly for indoor and outdoor applications

GENERAL SPECIFICATIONS



OUTPUT		LNE-12V100W□□□	LNE-12V120W□□□	LNE-12V150W□□□	LNE-12V185W□□□
Nominal Output Voltage		12V	12V	12V	12V
LED System Voltage Range in CC Mode		6-12Vdc	6-12Vdc	6-12Vdc	6-12Vdc
Output Voltage Adjustment Range ¹⁾		10.8-13.5V	10.8-13.5V	10.8-13.5V	10.8-13.5V
Nominal Output Current		8.00A	10.0A	12.5A	13.0A
Output Current Adjustment Range ¹⁾		4.00-8.00A	5.00-10.0A	6.25-12.5A	6.50-13.0A
Output Power		96W	120W	150W	156W
Line Regulation		± 0.5% (@ 90-264Vac)			
Load Regulation		± 2% (@ 90-264Vac, 0-95% load)			
PARD (20MHz)		< 150mVpp			
Hold-up Time		16ms typ. @ 115Vac & 230Vac (100% load)			
INPUT					
Input Voltage Range		90-264Vac			
Input Frequency		47-63Hz			
Input Current		1.30A max. @ 115Vac, 0.65A max. @ 230Vac	1.50A max. @ 115Vac, 0.70A max. @ 230Vac	1.80A max. @ 115Vac, 0.85A max. @ 230Vac	1.90A max. @ 115Vac, 0.90A max. @ 230Vac
Efficiency at 100% Load		90.0% typ. @ 115Vac, 92.0% typ. @ 230Vac	90.0% typ. @ 115Vac, 92.0% typ. @ 230Vac	89.0% typ. @ 115Vac, 91.5% typ. @ 230Vac	89.0% typ. @ 115Vac, 91.5% typ. @ 230Vac
Max Inrush Current (Cold Start)		65A typ. @ 230Vac			
Power Factor		0.98 typ. @ 115Vac, 0.95 typ. @ 230Vac		0.98 typ. @ 115Vac, 0.95 typ. @ 230Vac	
Leakage Current		< 0.75mA @ 264Vac			
MECHANICAL					
Case Cover / Chassis		Aluminium			
Dimensions (L x W x D)		220 x 68 x 38.8 mm (8.66" x 2.68" x 1.53")		228 x 68 x 38.8 mm (8.98" x 2.68" x 1.53")	
Unit Weight		0.98 kg (2.16 lb)	0.98 kg (2.16 lb)	1.04 kg (2.29 lb)	1.04 kg (2.29 lb)
Cooling System		Convection			
Input Cable	VDE	H05RN-F3G1.0mm ² (Line: Brown, Neutral: Blue, PE: Green/Yellow)			
Output Cable	VDE	H07RN-F2x1.5mm ² (Positive: Red, Negative: Black)			
Dimming Cable	VDE	H05RN-F2x1.0mm ² (Positive: White, Negative: Blue)			
MTBF ²⁾		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT					
Operating Temperature		-40°C to +70°C			
Storage Temperature		-40°C to +85°C			
Power De-rating		> 60°C (4% / °C)			
Operating Humidity		5 to 95% RH (Non-Condensing)			
Operating Altitude		0 to 3,000m (0 to 9,840 ft)			
Degree of Protection		IP65 (LNE-12V□□□□WA□□); IP67 (LNE-12V□□□□WD□□)			

Notes

- ¹⁾ For LNE-12V□□□□WA□□ package type only.
- ²⁾ MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
- ³⁾ All parameters are specified at 25°C ambient temperature unless otherwise indicated.

LNE LED Driver

24V Output (North American AC Voltage)



LNE

HIGHLIGHTS & FEATURES

- Universal AC input voltage range 90-305Vac
- Up to 93.5% efficiency
- 6kV common mode & 4kV differential mode surge immunity
- Active PFC. Meets IEC/EN 61000-3-2, Class C
- Adjustable voltage & current; dimming option available
- IP65 or IP67 assembly for indoor and outdoor applications

GENERAL SPECIFICATIONS

SELV 

OUTPUT	LNE-24V100W□□	LNE-24V120W□□	LNE-24V150W□□	LNE-24V185W□□
Nominal Output Voltage	24V	24V	24V	24V
LED System Voltage Range in CC Mode	12-24Vdc	12-24Vdc	12-24Vdc	12-24Vdc
Output Voltage Adjustment Range ¹⁾	22.0-27.0V	22.0-27.0V	22.0-27.0V	22.0-27.0V
Nominal Output Current	4.00A	5.00A	6.30A	7.80A
Output Current Adjustment Range ¹⁾	2.00-4.00A	2.50-5.00A	3.15-6.30A	3.90-7.80A
Output Power	96W	120W	151.2W	187.2W
Line Regulation	± 0.5% (@ 90-305Vac)			
Load Regulation	± 1% (@ 90-305Vac, 0-95% load)			
PARD (20MHz)	< 150mVpp			
Hold-up Time	16ms typ. @ 115Vac & 230Vac & 277Vac (100% load)			
INPUT				
Input Voltage Range	90-305Vac			
Input Frequency	47-63Hz			
Input Current	1.30A max. @ 115Vac, 0.65A max. @ 230Vac, 0.60A max. @ 277Vac	1.50A max. @ 115Vac, 0.70A max. @ 230Vac, 0.65A max. @ 277Vac	1.80A max. @ 115Vac, 0.85A max. @ 230Vac, 0.80A max. @ 277Vac	2.20A max. @ 115Vac, 1.00A max. @ 230Vac, 0.90A max. @ 277Vac
Efficiency at 100% Load	92.0% typ. @ 115Vac, 93.0% typ. @ 230Vac & 277Vac	91.5% typ. @ 115Vac, 93.0% typ. @ 230Vac & 277Vac	91.5% typ. @ 115Vac, 93.0% typ. @ 230Vac & 277Vac	91.0% typ. @ 115Vac, 93.5% typ. @ 230Vac & 277Vac
Max Inrush Current (Cold Start)	65A typ. @ 230Vac			
Power Factor	0.98 typ. @ 115Vac, 0.95 typ. @ 230Vac, 0.93 typ. @ 277Vac		0.98 typ. @ 115Vac, 0.95 typ. @ 230Vac, 0.92 typ. @ 277Vac	
Leakage Current	< 0.75mA @ 305Vac			
MECHANICAL				
Case Cover / Chassis	Aluminium			
Dimensions (L x W x D)	220 x 68 x 38.8 mm (8.66" x 2.68" x 1.53")		228 x 68 x 38.8 mm (8.98" x 2.68" x 1.53")	
Unit Weight	0.98 kg (2.16 lb)	0.98 kg (2.16 lb)	1.04 kg (2.29 lb)	1.04 kg (2.29 lb)
Cooling System	Convection			
Input Cable	UL	SJTW 18AWGX3C (Line: Brown, Neutral: Blue, PE: Green/Yellow)		
Output Cable	UL	SJTW 14AWGX2C (Positive: Red, Negative: Black)		
Dimming Cable	UL	SJTW 18AWGX2C (Positive: White, Negative: Blue)		
MTBF ²⁾	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT				
Operating Temperature	-40°C to +70°C			
Storage Temperature	-40°C to +85°C			
Power De-rating	> 60°C (4% / °C)			
Operating Humidity	5 to 95% RH (Non-Condensing)			
Operating Altitude	0 to 3,000m (0 to 9,840 ft)			
Degree of Protection	IP65 (LNE-24V□□□WA□□); IP67 (LNE-24V□□□WD□□)			

Notes

- ¹⁾ For LNE-24V□□□WA□□ package type only.
- ²⁾ MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
- ³⁾ All parameters are specified at 25°C ambient temperature unless otherwise indicated.

LNE LED Driver

24V Output (International AC Voltage)

LNE

HIGHLIGHTS & FEATURES

- Universal AC input voltage range 90-264Vac
- Up to 93.5% efficiency
- 6kV common mode & 4kV differential mode surge immunity
- Active PFC. Meets IEC/EN 61000-3-2, Class C
- Adjustable voltage & current; dimming option available
- IP65 or IP67 assembly for indoor and outdoor applications

GENERAL SPECIFICATIONS



OUTPUT		LNE-24V100W□□□	LNE-24V120W□□□	LNE-24V150W□□□	LNE-24V185W□□□
Nominal Output Voltage		24V	24V	24V	24V
LED System Voltage Range in CC Mode		12-24Vdc	12-24Vdc	12-24Vdc	12-24Vdc
Output Voltage Adjustment Range ¹⁾		22.0-27.0V	22.0-27.0V	22.0-27.0V	22.0-27.0V
Nominal Output Current		4.00A	5.00A	6.30A	7.80A
Output Current Adjustment Range ¹⁾		2.00-4.00A	2.50-5.00A	3.15-6.30A	3.90-7.80A
Output Power		96W	120W	151.2W	187.2W
Line Regulation		± 0.5% (@ 90-264Vac)			
Load Regulation		± 1% (@ 90-264Vac, 0-95% load)			
PARD (20MHz)		< 150mVpp			
Hold-up Time		16ms typ. @ 115Vac & 230Vac (100% load)			
INPUT					
Input Voltage Range		90-264Vac			
Input Frequency		47-63Hz			
Input Current		1.30A max. @ 115Vac, 0.65A max. @ 230Vac	1.50A max. @ 115Vac, 0.70A max. @ 230Vac	1.80A max. @ 115Vac, 0.85A max. @ 230Vac	2.20A max. @ 115Vac, 1.00A max. @ 230Vac
Efficiency at 100% Load		92.0% typ. @ 115Vac, 93.0% typ. @ 230Vac	91.5% typ. @ 115Vac, 93.0% typ. @ 230Vac	91.5% typ. @ 115Vac, 93.0% typ. @ 230Vac	91.0% typ. @ 115Vac, 93.5% typ. @ 230Vac
Max Inrush Current (Cold Start)		65A typ. @ 230Vac			
Power Factor		0.98 typ. @ 115Vac, 0.95 typ. @ 230Vac		0.98 typ. @ 115Vac, 0.95 typ. @ 230Vac	
Leakage Current		< 0.75mA @ 264Vac			
MECHANICAL					
Case Cover / Chassis		Aluminium			
Dimensions (L x W x D)		220 x 68 x 38.8 mm (8.66" x 2.68" x 1.53")		228 x 68 x 38.8 mm (8.98" x 2.68" x 1.53")	
Unit Weight		0.98 kg (2.16 lb)	0.98 kg (2.16 lb)	1.04 kg (2.29 lb)	1.04 kg (2.29 lb)
Cooling System		Convection			
Input Cable	VDE	H05RN-F3G1.0mm² (Line: Brown, Neutral: Blue, PE: Green/Yellow)			
Output Cable	VDE	H07RN-F2x1.5mm² (Positive: Red, Negative: Black)			
Dimming Cable	VDE	H05RN-F2x1.0mm² (Positive: White, Negative: Blue)			
MTBF ²⁾		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT					
Operating Temperature		-40°C to +70°C			
Storage Temperature		-40°C to +85°C			
Power De-rating		> 60°C (4% / °C)			
Operating Humidity		5 to 95% RH (Non-Condensing)			
Operating Altitude		0 to 3,000m (0 to 9,840 ft)			
Degree of Protection		IP65 (LNE-24V□□□□WA□□); IP67 (LNE-24V□□□□WD□□)			

Notes

- ¹⁾ For LNE-24V□□□□WA□□ package type only.
- ²⁾ MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
- ³⁾ All parameters are specified at 25°C ambient temperature unless otherwise indicated.

LNE LED Driver

36V Output (North American AC Voltage)



LNE

HIGHLIGHTS & FEATURES

- Universal AC input voltage range 90-305Vac
- Up to 93.5% efficiency
- 6kV common mode & 4kV differential mode surge immunity
- Active PFC. Meets IEC/EN 61000-3-2, Class C
- Adjustable voltage & current; dimming option available
- IP65 or IP67 assembly for indoor and outdoor applications

GENERAL SPECIFICATIONS

SELV 

OUTPUT		LNE-36V100W□□□	LNE-36V120W□□□	LNE-36V150W□□□	LNE-36V185W□□□
Nominal Output Voltage		36V	36V	36V	36V
LED System Voltage Range in CC Mode		18-36Vdc	18-36Vdc	18-36Vdc	18-36Vdc
Output Voltage Adjustment Range ¹⁾		33.0-40.0V	33.0-40.0V	33.0-40.0V	33.0-40.0V
Nominal Output Current		2.65A	3.40A	4.20A	5.20A
Output Current Adjustment Range ¹⁾		1.325-2.65A	1.70-3.40A	2.10-4.20A	2.60-5.20A
Output Power		95.4W	122.4W	151.2W	187.2W
Line Regulation		± 0.5% (@ 90-305Vac)			
Load Regulation		± 0.5% (@ 90-305Vac, 0-95% load)		± 1% (@ 90-305Vac, 0-95% load)	
PARD (20MHz)		< 200mVpp			
Hold-up Time		16ms typ. @ 115Vac & 230Vac & 277Vac (100% load)			
INPUT					
Input Voltage Range		90-305Vac			
Input Frequency		47-63Hz			
Input Current		1.30A max. @ 115Vac, 0.65A max. @ 230Vac, 0.60A max. @ 277Vac	1.50A max. @ 115Vac, 0.70A max. @ 230Vac, 0.65A max. @ 277Vac	1.80A max. @ 115Vac, 0.85A max. @ 230Vac, 0.80A max. @ 277Vac	2.20A max. @ 115Vac, 1.00A max. @ 230Vac, 0.90A max. @ 277Vac
Efficiency at 100% Load		91.5% typ. @ 115Vac, 93.0% typ. @ 230Vac, 92.5% typ. @ 277Vac	91.5% typ. @ 115Vac, 93.0% typ. @ 230Vac & 277Vac	91.0% typ. @ 115Vac, 93.5% typ. @ 230Vac, 93.0% typ. @ 277Vac	91.0% typ. @ 115Vac, 93.5% typ. @ 230Vac & 277Vac
Max Inrush Current (Cold Start)		65A typ. @ 230Vac			
Power Factor		0.98 typ. @ 115Vac, 0.95 typ. @ 230Vac, 0.93 typ. @ 277Vac		0.98 typ. @ 115Vac, 0.95 typ. @ 230Vac, 0.92 typ. @ 277Vac	
Leakage Current		< 0.75mA @ 305Vac			
MECHANICAL					
Case Cover / Chassis		Aluminium			
Dimensions (L x W x D)		220 x 68 x 38.8 mm (8.66" x 2.68" x 1.53")		228 x 68 x 38.8 mm (8.98" x 2.68" x 1.53")	
Unit Weight		0.98 kg (2.16 lb)	0.98 kg (2.16 lb)	1.04 kg (2.29 lb)	1.04 kg (2.29 lb)
Cooling System		Convection			
Input Cable	UL	SJTW 18AWGX3C (Line: Brown, Neutral: Blue, PE: Green/Yellow)			
Output Cable	UL	SJTW 14AWGX2C (Positive: Red, Negative: Black)			
Dimming Cable	UL	SJTW 18AWGX2C (Positive: White, Negative: Blue)			
MTBF ²⁾		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT					
Operating Temperature		-40°C to +70°C			
Storage Temperature		-40°C to +85°C			
Power De-rating		> 60°C (4% / °C)			
Operating Humidity		5 to 95% RH (Non-Condensing)			
Operating Altitude		0 to 3,000m (0 to 9,840 ft)			
Degree of Protection		IP65 (LNE-36V□□□WA□□□); IP67 (LNE-36V□□□WD□□□)			

Notes

1) For LNE-36V□□□WA□□ package type only.

2) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).

3) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

LNE LED Driver

36V Output (International AC Voltage)



LNE

HIGHLIGHTS & FEATURES

- Universal AC input voltage range 90-264Vac
- Up to 93.5% efficiency
- 6kV common mode & 4kV differential mode surge immunity
- Active PFC. Meets IEC/EN 61000-3-2, Class C
- Adjustable voltage & current; dimming option available
- IP65 or IP67 assembly for indoor and outdoor applications

GENERAL SPECIFICATIONS



OUTPUT		LNE-36V100W□□□	LNE-36V120W□□□	LNE-36V150W□□□	LNE-36V185W□□□
Nominal Output Voltage		36V	36V	36V	36V
LED System Voltage Range in CC Mode		18-36Vdc	18-36Vdc	18-36Vdc	18-36Vdc
Output Voltage Adjustment Range ¹⁾		33.0-40.0V	33.0-40.0V	33.0-40.0V	33.0-40.0V
Nominal Output Current		2.65A	3.40A	4.20A	5.20A
Output Current Adjustment Range ¹⁾		1.325-2.65A	1.70-3.40A	2.10-4.20A	2.60-5.20A
Output Power		95.4W	122.4W	151.2W	187.2W
Line Regulation		± 0.5% (@ 90-264Vac)			
Load Regulation		± 0.5% (@ 90-264Vac, 0-95% load)		± 1% (@ 90-264Vac, 0-95% load)	
PARD (20MHz)		< 200mVpp			
Hold-up Time		16ms typ. @ 115Vac & 230Vac (100% load)			
INPUT					
Input Voltage Range		90-264Vac			
Input Frequency		47-63Hz			
Input Current		1.30A max. @ 115Vac, 0.65A max. @ 230Vac	1.50A max. @ 115Vac, 0.70A max. @ 230Vac	1.80A max. @ 115Vac, 0.85A max. @ 230Vac	2.20A max. @ 115Vac, 1.00A max. @ 230Vac
Efficiency at 100% Load		91.5% typ. @ 115Vac, 93.0% typ. @ 230Vac	91.5% typ. @ 115Vac, 93.0% typ. @ 230Vac	91.0% typ. @ 115Vac, 93.5% typ. @ 230Vac	91.0% typ. @ 115Vac, 93.5% typ. @ 230Vac
Max Inrush Current (Cold Start)		65A typ. @ 230Vac			
Power Factor		0.98 typ. @ 115Vac, 0.95 typ. @ 230Vac		0.98 typ. @ 115Vac, 0.95 typ. @ 230Vac	
Leakage Current		< 0.75mA @ 264Vac			
MECHANICAL					
Case Cover / Chassis		Aluminium			
Dimensions (L x W x D)		220 x 68 x 38.8 mm (8.66" x 2.68" x 1.53")		228 x 68 x 38.8 mm (8.98" x 2.68" x 1.53")	
Unit Weight		0.98 kg (2.16 lb)	0.98 kg (2.16 lb)	1.04 kg (2.29 lb)	1.04 kg (2.29 lb)
Cooling System		Convection			
Input Cable	VDE	H05RN-F3G1.0mm ² (Line: Brown, Neutral: Blue, PE: Green/Yellow)			
Output Cable	VDE	H07RN-F2x1.5mm ² (Positive: Red, Negative: Black)			
Dimming Cable	VDE	H05RN-F2x1.0mm ² (Positive: White, Negative: Blue)			
MTBF ²⁾		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT					
Operating Temperature		-40°C to +70°C			
Storage Temperature		-40°C to +85°C			
Power De-rating		> 60°C (4% / °C)			
Operating Humidity		5 to 95% RH (Non-Condensing)			
Operating Altitude		0 to 3,000m (0 to 9,840 ft)			
Degree of Protection		IP65 (LNE-36V□□□□WA□□□): IP67 (LNE-36V□□□□WD□□□)			

Notes

1) For LNE-36V□□□□WA□□□ package type only.

2) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).

3) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

LNE LED Driver

48V Output (North American AC Voltage)



LNE

HIGHLIGHTS & FEATURES

- Universal AC input voltage range 90-305Vac
- Up to 94% efficiency
- 6kV common mode & 4kV differential mode surge immunity
- Active PFC. Meets IEC/EN 61000-3-2, Class C
- Adjustable voltage & current; dimming option available
- IP65 or IP67 assembly for indoor and outdoor applications

GENERAL SPECIFICATIONS

SELV 

OUTPUT	LNE-48V100W□□	LNE-48V120W□□	LNE-48V150W□□	LNE-48V185W□□
Nominal Output Voltage	48V	48V	48V	48V
LED System Voltage Range in CC Mode	24-48Vdc	24-48Vdc	24-48Vdc	24-48Vdc
Output Voltage Adjustment Range ¹⁾	43.0-53.0V	43.0-53.0V	43.0-53.0V	43.0-53.0V
Nominal Output Current	2.00A	2.50A	3.20A	3.90A
Output Current Adjustment Range ¹⁾	1.00-2.00A	1.25-2.50A	1.60-3.20A	1.95-3.90A
Output Power	96W	120W	153.6W	187.2W
Line Regulation	± 0.5% (@ 90-305Vac)			
Load Regulation	± 0.5% (@ 90-305Vac, 0-95% load)			
PARD (20MHz)	< 200mVpp			
Hold-up Time	16ms typ. @ 115Vac & 230Vac & 277Vac (100% load)			
INPUT				
Input Voltage Range	90-305Vac			
Input Frequency	47-63Hz			
Input Current	1.30A max. @ 115Vac, 0.65A max. @ 230Vac, 0.60A max. @ 277Vac	1.50A max. @ 115Vac, 0.70A max. @ 230Vac, 0.65A max. @ 277Vac	1.80A max. @ 115Vac, 0.85A max. @ 230Vac, 0.80A max. @ 277Vac	2.20A max. @ 115Vac, 1.00A max. @ 230Vac, 0.90A max. @ 277Vac
Efficiency at 100% Load	92.0% typ. @ 115Vac, 93.0% typ. @ 230Vac & 277Vac	92.0% typ. @ 115Vac, 93.5% typ. @ 230Vac & 277Vac	91.5% typ. @ 115Vac, 94.0% typ. @ 230Vac & 277Vac	91.5% typ. @ 115Vac, 94.0% typ. @ 230Vac & 277Vac
Max Inrush Current (Cold Start)	65A typ. @ 230Vac			
Power Factor	0.98 typ. @ 115Vac, 0.95 typ. @ 230Vac, 0.93 typ. @ 277Vac		0.98 typ. @ 115Vac, 0.95 typ. @ 230Vac, 0.92 typ. @ 277Vac	
Leakage Current	< 0.75mA @ 305Vac			
MECHANICAL				
Case Cover / Chassis	Aluminium			
Dimensions (L x W x D)	220 x 68 x 38.8 mm (8.66" x 2.68" x 1.53")		228 x 68 x 38.8 mm (8.98" x 2.68" x 1.53")	
Unit Weight	0.98 kg (2.16 lb)	0.98 kg (2.16 lb)	1.04 kg (2.29 lb)	1.04 kg (2.29 lb)
Cooling System	Convection			
Input Cable	UL	SJTW 18AWGX3C (Line: Brown, Neutral: Blue, PE: Green/Yellow)		
Output Cable	UL	SJTW 14AWGX2C (Positive: Red, Negative: Black)		
Dimming Cable	UL	SJTW 18AWGX2C (Positive: White, Negative: Blue)		
MTBF ²⁾	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT				
Operating Temperature	-40°C to +70°C			
Storage Temperature	-40°C to +85°C			
Power De-rating	> 60°C (4% / °C)			
Operating Humidity	5 to 95% RH (Non-Condensing)			
Operating Altitude	0 to 3,000m (0 to 9,840 ft)			
Degree of Protection	IP65 (LNE-48V□□□WA□□); IP67 (LNE-48V□□□WD□□)			

Notes

- ¹⁾ For LNE-48V□□□WA□□ package type only.
- ²⁾ MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
- ³⁾ All parameters are specified at 25°C ambient temperature unless otherwise indicated.

LNE LED Driver

48V Output (International AC Voltage)



LNE

HIGHLIGHTS & FEATURES

- Universal AC input voltage range 90-264Vac
- Up to 94% efficiency
- 6kV common mode & 4kV differential mode surge immunity
- Active PFC. Meets IEC/EN 61000-3-2, Class C
- Adjustable voltage & current; dimming option available
- IP65 or IP67 assembly for indoor and outdoor applications

GENERAL SPECIFICATIONS



SELV



OUTPUT		LNE-48V100W□□□	LNE-48V120W□□□	LNE-48V150W□□□	LNE-48V185W□□□
Nominal Output Voltage		48V	48V	48V	48V
LED System Voltage Range in CC Mode		24-48Vdc	24-48Vdc	24-48Vdc	24-48Vdc
Output Voltage Adjustment Range ¹⁾		43.0-53.0V	43.0-53.0V	43.0-53.0V	43.0-53.0V
Nominal Output Current		2.00A	2.50A	3.20A	3.90A
Output Current Adjustment Range ¹⁾		1.00-2.00A	1.25-2.50A	1.60-3.20A	1.95-3.90A
Output Power		96W	120W	153.6W	187.2W
Line Regulation		± 0.5% (@ 90-264Vac)			
Load Regulation		± 0.5% (@ 90-264Vac, 0-95% load)			
PARD (20MHz)		< 200mVpp			
Hold-up Time		16ms typ. @ 115Vac & 230Vac (100% load)			
INPUT					
Input Voltage Range		90-264Vac			
Input Frequency		47-63Hz			
Input Current		1.30A max. @ 115Vac, 0.65A max. @ 230Vac	1.50A max. @ 115Vac, 0.70A max. @ 230Vac	1.80A max. @ 115Vac, 0.85A max. @ 230Vac	2.20A max. @ 115Vac, 1.00A max. @ 230Vac
Efficiency at 100% Load		92.0% typ. @ 115Vac, 93.0% typ. @ 230Vac	92.0% typ. @ 115Vac, 93.5% typ. @ 230Vac	91.5% typ. @ 115Vac, 94.0% typ. @ 230Vac	91.5% typ. @ 115Vac, 94.0% typ. @ 230Vac
Max Inrush Current (Cold Start)		65A typ. @ 230Vac			
Power Factor		0.98 typ. @ 115Vac, 0.95 typ. @ 230Vac		0.98 typ. @ 115Vac, 0.95 typ. @ 230Vac	
Leakage Current		< 0.75mA @ 264Vac			
MECHANICAL					
Case Cover / Chassis		Aluminium			
Dimensions (L x W x D)		220 x 68 x 38.8 mm (8.66" x 2.68" x 1.53")		228 x 68 x 38.8 mm (8.98" x 2.68" x 1.53")	
Unit Weight		0.98 kg (2.16 lb)	0.98 kg (2.16 lb)	1.04 kg (2.29 lb)	1.04 kg (2.29 lb)
Cooling System		Convection			
Input Cable	VDE	H05RN-F3G1.0mm² (Line: Brown, Neutral: Blue, PE: Green/Yellow)			
Output Cable	VDE	H07RN-F2x1.5mm² (Positive: Red, Negative: Black)			
Dimming Cable	VDE	H05RN-F2x1.0mm² (Positive: White, Negative: Blue)			
MTBF ²⁾		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT					
Operating Temperature		-40°C to +70°C			
Storage Temperature		-40°C to +85°C			
Power De-rating		> 60°C (4% / °C)			
Operating Humidity		5 to 95% RH (Non-Condensing)			
Operating Altitude		0 to 3,000m (0 to 9,840 ft)			
Degree of Protection		IP65 (LNE-48V□□□□WA□□); IP67 (LNE-48V□□□□WD□□)			

Notes

- ¹⁾ For LNE-48V□□□□WA□□ package type only.
- ²⁾ MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
- ³⁾ All parameters are specified at 25°C ambient temperature unless otherwise indicated.

LNE LED Driver

54V Output (North American AC Voltage)



LNE

HIGHLIGHTS & FEATURES

- Universal AC input voltage range 90-305Vac
- Up to 94% efficiency
- 6kV common mode & 4kV differential mode surge immunity
- Active PFC. Meets IEC/EN 61000-3-2, Class C
- Adjustable voltage & current; dimming option available
- IP65 or IP67 assembly for indoor and outdoor applications

GENERAL SPECIFICATIONS

SELV 

OUTPUT		LNE-54V150W□□□	LNE-54V185W□□□
Nominal Output Voltage		54V	54V
LED System Voltage Range in CC Mode		24-54Vdc	24-54Vdc
Output Voltage Adjustment Range ¹⁾		49.0-58.0V	49.0-58.0V
Nominal Output Current		2.80A	3.45A
Output Current Adjustment Range ¹⁾		1.40-2.80A	1.725-3.45A
Output Power		151.2W	186.3W
Line Regulation		± 0.5% (@ 90-305Vac)	
Load Regulation		± 0.5% (@ 90-305Vac, 0-95% load)	
PARD (20MHz)		< 200mVpp	
Hold-up Time		16ms typ. @ 115Vac & 230Vac & 277Vac (100% load)	
INPUT			
Input Voltage Range		90-305Vac	
Input Frequency		47-63Hz	
Input Current		1.80A max. @ 115Vac, 0.85A max. @ 230Vac, 0.80A max. @ 277Vac	2.20A max. @ 115Vac, 1.00A max. @ 230Vac, 0.90A max. @ 277Vac
Efficiency at 100% Load		91.5% typ. @ 115Vac, 94.0% typ. @ 230Vac & 277Vac	91.5% typ. @ 115Vac, 94.0% typ. @ 230Vac & 277Vac
Max Inrush Current (Cold Start)		65A typ. @ 230Vac	
Power Factor		0.98 typ. @ 115Vac, 0.95 typ. @ 230Vac, 0.92 typ. @ 277Vac	
Leakage Current		< 0.75mA @ 305Vac	
MECHANICAL			
Case Cover / Chassis		Aluminium	
Dimensions (L x W x D)		228 x 68 x 38.8 mm (8.98" x 2.68" x 1.53")	
Unit Weight		1.04 kg (2.29 lb)	1.04 kg (2.29 lb)
Cooling System		Convection	
Input Cable	UL	SJTW 18AWGX3C (Line: Brown, Neutral: Blue, PE: Green/Yellow)	
Output Cable	UL	SJTW 14AWGX2C (Positive: Red, Negative: Black)	
Dimming Cable	UL	SJTW 18AWGX2C (Positive: White, Negative: Blue)	
MTBF ²⁾		> 700,000 hrs	> 700,000 hrs
ENVIRONMENT			
Operating Temperature		-40°C to +70°C	
Storage Temperature		-40°C to +85°C	
Power De-rating		> 60°C (4% / °C)	
Operating Humidity		5 to 95% RH (Non-Condensing)	
Operating Altitude		0 to 3,000m (0 to 9,840 ft)	
Degree of Protection		IP65 (LNE-54V□□□□WA□□□); IP67 (LNE-54V□□□□WD□□□)	

Notes

- ¹⁾ For LNE-54V□□□□WA□□ package type only.
- ²⁾ MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
- ³⁾ All parameters are specified at 25°C ambient temperature unless otherwise indicated.

LNE LED Driver

54V Output (International AC Voltage)



LNE

HIGHLIGHTS & FEATURES

- Universal AC input voltage range 90-264Vac
- Up to 94% efficiency
- 6kV common mode & 4kV differential mode surge immunity
- Active PFC. Meets IEC/EN 61000-3-2, Class C
- Adjustable voltage & current; dimming option available
- IP65 or IP67 assembly for indoor and outdoor applications

GENERAL SPECIFICATIONS



OUTPUT		LNE-54V150W□□□	LNE-54V185W□□□
Nominal Output Voltage		54V	54V
LED System Voltage Range in CC Mode		24-54Vdc	24-54Vdc
Output Voltage Adjustment Range ¹⁾		49.0-58.0V	49.0-58.0V
Nominal Output Current		2.80A	3.45A
Output Current Adjustment Range ¹⁾		1.40-2.80A	1.725-3.45A
Output Power		151.2W	186.3W
Line Regulation		± 0.5% (@ 90-264Vac)	
Load Regulation		± 0.5% (@ 90-264Vac, 0-95% load)	
PARD (20MHz)		< 200mVpp	
Hold-up Time		16ms typ. @ 115Vac & 230Vac (100% load)	
INPUT			
Input Voltage Range		90-264Vac	
Input Frequency		47-63Hz	
Input Current		1.80A max. @ 115Vac, 0.85A max. @ 230Vac	2.20A max. @ 115Vac, 1.00A max. @ 230Vac
Efficiency at 100% Load		91.5% typ. @ 115Vac, 94.0% typ. @ 230Vac	91.5% typ. @ 115Vac, 94.0% typ. @ 230Vac
Max Inrush Current (Cold Start)		65A typ. @ 230Vac	
Power Factor		0.98 typ. @ 115Vac, 0.95 typ. @ 230Vac	
Leakage Current		< 0.75mA @ 264Vac	
MECHANICAL			
Case Cover / Chassis		Aluminium	
Dimensions (L x W x D)		228 x 68 x 38.8 mm (8.98" x 2.68" x 1.53")	
Unit Weight		1.04 kg (2.29 lb)	1.04 kg (2.29 lb)
Cooling System		Convection	
Input Cable	VDE	H05RN-F3G1.0mm ² (Line: Brown, Neutral: Blue, PE: Green/Yellow)	
Output Cable	VDE	H07RN-F2x1.5mm ² (Positive: Red, Negative: Black)	
Dimming Cable	VDE	H05RN-F2x1.0mm ² (Positive: White, Negative: Blue)	
MTBF ²⁾		> 700,000 hrs	> 700,000 hrs
ENVIRONMENT			
Operating Temperature		-40°C to +70°C	
Storage Temperature		-40°C to +85°C	
Power De-rating		> 60°C (4% / °C)	
Operating Humidity		5 to 95% RH (Non-Condensing)	
Operating Altitude		0 to 3,000m (0 to 9,840 ft)	
Degree of Protection		IP65 (LNE-54V□□□□WA□□); IP67 (LNE-54V□□□□WD□□)	

Notes

- ¹⁾ For LNE-54V□□□□WA□□ package type only.
- ²⁾ MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
- ³⁾ All parameters are specified at 25°C ambient temperature unless otherwise indicated.

EUCO LED Driver

65-100W Output Power (Constant Current)

EUCO

HIGHLIGHTS & FEATURES

- Constant Current
- Input voltage 220-240Vac
- High efficiency for energy saving
- High surge protection: up to 6kV
- Short circuit, Over voltage & Over temperature protection
- IP67 assembly for indoor and outdoor applications
- Extreme low temperature performance (-40°C)
- Long lifetime >50 000 hours
- 5 years warranty

GENERAL SPECIFICATIONS



OUTPUT	EUCO-065035FA	EUCO-065050FA	EUCO-065070FA	EUCO-065105FA
Nominal Output Current	350mA	500mA	700mA	1050mA
Nominal Output Voltage	93-186V (Max. no load: 223V)	65-130V (Max. no load: 156V)	46-93V (Max. no load: 111V)	30-62V (Max. no load: 75V)
Output Power	65.1W	65W	65.1W	65.1W
INPUT				
Input Voltage Range	220-240Vac			
Input Frequency	50/60Hz			
Power Factor	0.95			
MECHANICAL				
Case Cover / Chassis	Aluminium			
Dimensions (L x W x D)	187 x 60 x 34 mm (7.36" x 2.36" x 1.34")			
Unit Weight	1.04 kg (2.29 lb)			
Cooling System	Convection			
Input Cable	UL	Line: Brown, Neutral: Blue, PE: Green/Yellow		
Output Cable	UL	Positive: Red, Negative: Black		
MTBF ¹⁾	> 500,000 hrs			
ENVIRONMENT				
Operating Temperature	-40°C to +55°C			
Storage Temperature	-40°C to +70°C			
Operating Humidity	5 to 95% RH (Non-Condensing)			
Degree of Protection	IP67			

OUTPUT		EUCO-100035FA	EUCO-100050FA	EUCO-100070FA	EUCO-100105FA
Nominal Output Current		350mA	500mA	700mA	1050mA
Nominal Output Voltage		143-286V (Max. no load: 343V)	100-200V (Max. no load: 240V)	71-143V (Max. no load: 171V)	47-96V (Max. no load: 116V)
Output Power		100.1W	100W	100.1W	100.8W
INPUT					
Input Voltage Range		220-240Vac			
Input Frequency		50/60Hz			
Power Factor		0.95			
MECHANICAL					
Case Cover / Chassis		Aluminium			
Dimensions (L x W x D)		250 x 60 x 34 mm (9.84" x 2.36" x 1.34")			
Unit Weight		1.04 kg (2.29 lb)			
Cooling System		Convection			
Input Cable	UL	Line: Brown, Neutral: Blue, PE: Green/Yellow			
Output Cable	UL	Positive: Red, Negative: Black			
MTBF ¹⁾		> 500,000 hrs			
ENVIRONMENT					
Operating Temperature		-40°C to +55°C			
Storage Temperature		-40°C to +70°C			
Operating Humidity		5 to 95% RH (Non-Condensing)			
Degree of Protection		IP67			

Notes

1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).

2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

EUCO LED Driver

150W Output Power (Constant Current)



EUCO

HIGHLIGHTS & FEATURES

- Constant Current
- Input voltage 220-240Vac
- High efficiency for energy saving
- High surge protection: up to 6kV
- Short circuit, Over voltage & Over temperature protection
- IP67 assembly for indoor and outdoor applications
- Extreme low temperature performance (-40°C)
- Long lifetime >50 000 hours
- 5 years warranty

GENERAL SPECIFICATIONS



OUTPUT		EUCO-150035FA	EUCO-150050FA	EUCO-150070FA	EUCO-150105FA
Nominal Output Current		350mA	500mA	700mA	1050mA
Nominal Output Voltage		214-429V (Max. no load: 500V)	150-300V (Max. no load: 350V)	107-214V (Max. no load: 250V)	71-143V (Max. no load: 172V)
Output Power		150.1W	150W	149.8W	150.1W
INPUT					
Input Voltage Range		220-240Vac			
Input Frequency		50/60Hz			
Power Factor		0.95			
MECHANICAL					
Case Cover / Chassis		Aluminium			
Dimensions (L x W x D)		250 x 60 x 34 mm (9.84" x 2.36" x 1.34")			
Unit Weight		1.04 kg (2.29 lb)			
Cooling System		Convection			
Input Cable	UL	Line: Brown, Neutral: Blue, PE: Green/Yellow			
Output Cable	UL	Positive: Red, Negative: Black			
MTBF ¹⁾		> 500,000 hrs			
ENVIRONMENT					
Operating Temperature		-40°C to +55°C			
Storage Temperature		-40°C to +70°C			
Operating Humidity		5 to 95% RH (Non-Condensing)			
Degree of Protection		IP67			

Notes

1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).

2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

USCO LED Driver

150W Output Power (Constant Current)



USCO

HIGHLIGHTS & FEATURES

- Universal AC input voltage range
- Constant Current
- High efficiency for energy saving
- High surge protection: up to 6kV
- Short circuit, Over voltage & Over temperature protection
- IP67 assembly for indoor and outdoor applications
- Extreme low temperature performance (-40°C)
- Long lifetime >50 000 hours
- 5 years warranty

GENERAL SPECIFICATIONS



OUTPUT		USCO-150070DA	USCO-150105DA
Nominal Output Current		700mA	1050mA
Nominal Output Voltage		128-214V (Max. no load: 250V)	86-143V (Max. no load: 172V)
Output Power		149.8W	150.1W
INPUT			
Input Voltage Range		120-277Vac	110-277Vac (99-305Vac)
Input Frequency		50/60Hz	
Power Factor		0.95	
MECHANICAL			
Case Cover / Chassis		Aluminium	
Dimensions (L x W x D)		248 x 68 x 37 mm (9.76" x 2.67" x 1.45")	
Unit Weight		1.04 kg (2.29 lb)	
Cooling System		Convection	
Input Cable	UL	H05RN-F (Line: Brown, Neutral: Blue, PE: Green/Yellow)	
Output Cable	UL	H05RN-F (Positive: Brown, Negative: Blue), DIMMING - H05RN-F (Positive: Violet, Negative: Gray)	
MTBF ¹⁾		> 500,000 hrs	
ENVIRONMENT			
Operating Temperature		-40°C to +55°C	
Storage Temperature		-40°C to +70°C	
Operating Humidity		5 to 95% RH (Non-Condensing)	
Degree of Protection		IP67	

OUTPUT		USCO-150070LA	USCO-150105LA	USCO-150140GA
Nominal Output Current		700mA	1050mA	600-1400mA (Step 1mA)
Nominal Output Voltage		128-214V (Max. no load: 250V)	86-143V (Max. no load: 172V)	72-214V (Max. no load: 250V), +12V / 50mA
Output Power		149.8W	150.1W	150W
INPUT				
Input Voltage Range		120-277Vac		110-277Vac (99-305Vac)
Input Frequency		50/60Hz		
Power Factor		0.95		
MECHANICAL				
Case Cover / Chassis		Aluminium		
Dimensions (L x W x D)		248 x 68 x 37 mm (9.76" x 2.67" x 1.45")		
Unit Weight		1.04 kg (2.29 lb)		
Cooling System		Convection		
Input Cable	UL	H05RN-F (Line: Brown, Neutral: Blue, PE: Green/Yellow)		
Output Cable	UL	H05RN-F (Positive: Brown, Negative: Blue), DALI / DIMMING - H05RN-F (Positive: Violet, Negative: Gray / +12V: Black/White)		
MTBF ¹⁾		> 500,000 hrs		
ENVIRONMENT				
Operating Temperature		-40°C to +55°C		
Storage Temperature		-40°C to +70°C		
Operating Humidity		5 to 95% RH (Non-Condensing)		
Degree of Protection		IP67		

Notes

1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).

2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

USCO LED Driver

200W Output Power (Constant Current)



USCO

HIGHLIGHTS & FEATURES

- Universal AC input voltage range
- Constant Current
- High efficiency for energy saving
- High surge protection: up to 6kV
- Short circuit, Over voltage & Over temperature protection
- IP67 assembly for indoor and outdoor applications
- Extreme low temperature performance (-40°C)
- Long lifetime >50 000 hours
- 5 years warranty

GENERAL SPECIFICATIONS



OUTPUT		USCO-200070DA	USCO-200105DA
Nominal Output Current		700mA	1050mA
Nominal Output Voltage		170-258V, +12V / 50mA	114-190V, +12V / 50mA
Output Power		199.5W	199.5W
INPUT			
Input Voltage Range		120-277Vac (108-305Vac)	
Input Frequency		50/60Hz	
Power Factor		0.95	
MECHANICAL			
Case Cover / Chassis		Aluminium	
Dimensions (L x W x D)		240 x 100 x 38 mm (9.45" x 3.94" x 1.49")	
Unit Weight		1.04 kg (2.29 lb)	
Cooling System		Convection	
Input Cable	UL	H05RN-F (Line: Brown, Neutral: Blue, PE: Green/Yellow)	
Output Cable	UL	H05RN-F (Positive: Brown, Negative: Blue), DIMMING - H05RN-F (Positive: Violet, Negative: Gray)	
MTBF ¹⁾		> 500,000 hrs	
ENVIRONMENT			
Operating Temperature		-40°C to +55°C	
Storage Temperature		-40°C to +70°C	
Operating Humidity		5 to 95% RH (Non-Condensing)	
Degree of Protection		IP67	

Notes

1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).

2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

EUCI LED Driver

20W Output Power (Constant Current)



EUCI

HIGHLIGHTS & FEATURES

- Constant Current
- High efficiency for energy saving
- Compact size
- Short circuit, Over voltage & Over temperature protection
- TRIAC / 1~10V dimming interface available
- Long lifetime >50 000 hours
- 5 years warranty

GENERAL SPECIFICATIONS



OUTPUT		EUCI-020030FA	EUCI-020035FA	EUCI-020040FA
Nominal Output Current		300mA	350mA	400mA
Nominal Output Voltage		34-45V	34-45V	34-45V
Output Power		13.5W	15.75W	18W
INPUT				
Input Voltage Range		220-240Vac (198-264Vac)		
Input Frequency		50/60Hz		
Power Factor		0.9		
MECHANICAL				
Case Cover / Chassis		Plastic		
Dimensions (L x W x D)		115 x 45 x 29 mm (4.52" x 1.77" x 1.14")		
Unit Weight		1.04 kg (2.29 lb)		
Cooling System		Convection		
Input Cable	UL	-		
Output Cable	UL	-		
MTBF ¹⁾		50,000 hrs		
ENVIRONMENT				
Operating Temperature		0°C to +50°C		
Storage Temperature		-10°C to +70°C		
Operating Humidity		5 to 95% RH (Non-Condensing)		
Degree of Protection		IP20		

OUTPUT		EUCI-020050FA	EUCI-020060FA	EUCI-020070FA
Nominal Output Current		500mA	600mA	700mA
Nominal Output Voltage		34-40V	23-33.3V	21-28.6V
Output Power		20W	20W	20W
INPUT				
Input Voltage Range		220-240Vac (198-264Vac)		
Input Frequency		50/60Hz		
Power Factor		0.9		
MECHANICAL				
Case Cover / Chassis		Plastic		
Dimensions (L x W x D)		115 x 45 x 29 mm (4.52" x 1.77" x 1.14")		
Unit Weight		1.04 kg (2.29 lb)		
Cooling System		Convection		
Input Cable	UL	-		
Output Cable	UL	-		
MTBF ¹⁾		50,000 hrs		
ENVIRONMENT				
Operating Temperature		0°C to +50°C		
Storage Temperature		-10°C to +70°C		
Operating Humidity		5 to 95% RH (Non-Condensing)		
Degree of Protection		IP20		

Notes

1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).

2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

EUCI LED Driver

35W Output Power (Constant Current)



EUCI

HIGHLIGHTS & FEATURES

- Constant Current
- High efficiency for energy saving
- Compact size
- Short circuit, Over voltage & Over temperature protection
- TRIAC / 1~10V dimming interface available
- Long lifetime >50 000 hours
- 5 years warranty

GENERAL SPECIFICATIONS



OUTPUT		EUCI-035050FA		EUCI-035060FA		EUCI-035070FA	
Nominal Output Current		500mA		600mA		700mA	
Nominal Output Voltage		24-43V		24-43V		24-43V	
Output Power		21.5W		25.8W		30.1W	
INPUT							
Input Voltage Range		220-240Vac (198-264Vac)					
Input Frequency		50/60Hz					
Power Factor		0.9					
MECHANICAL							
Case Cover / Chassis		Plastic					
Dimensions (L x W x D)		115 x 45 x 29 mm (4.52" x 1.77" x 1.14")					
Unit Weight		1.04 kg (2.29 lb)					
Cooling System		Convection					
Input Cable	UL	-					
Output Cable	UL	-					
MTBF ¹⁾		50,000 hrs					
ENVIRONMENT							
Operating Temperature		0°C to +50°C					
Storage Temperature		-10°C to +70°C					
Operating Humidity		5 to 95% RH (Non-Condensing)					
Degree of Protection		IP20					

OUTPUT		EUCI-035080FA		EUCI-035090FA		EUCI-035105FA	
Nominal Output Current		800mA		900mA		1050mA	
Nominal Output Voltage		24-43V		24-39V		24-33.5V	
Output Power		34.4W		35.1W		35,17W	
INPUT							
Input Voltage Range		220-240Vac (198-264Vac)					
Input Frequency		50/60Hz					
Power Factor		0.9					
MECHANICAL							
Case Cover / Chassis		Plastic					
Dimensions (L x W x D)		115 x 45 x 29 mm (4.52" x 1.77" x 1.14")					
Unit Weight		1.04 kg (2.29 lb)					
Cooling System		Convection					
Input Cable	UL	-					
Output Cable	UL	-					
MTBF ¹⁾		50,000 hrs					
ENVIRONMENT							
Operating Temperature		0°C to +50°C					
Storage Temperature		-10°C to +70°C					
Operating Humidity		5 to 95% RH (Non-Condensing)					
Degree of Protection		IP20					

Notes

1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).

2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

EUCI LED Driver

2×20W Output Power (Constant Current)



EUCI

HIGHLIGHTS & FEATURES

- Constant Current
- High efficiency for energy saving
- Compact size
- Short circuit, Over voltage & Over temperature protection
- TRIAC / 1~10V dimming interface available
- Long lifetime >50 000 hours
- 5 years warranty

GENERAL SPECIFICATIONS



OUTPUT		EUCI-040035LA	EUCI-039035FA
Nominal Output Current		2×350mA	2×350mA
Nominal Output Voltage		17-57V (Max. no load: 60V)	40-55V
Output Power		2×20W	2×19.2W
INPUT			
Input Voltage Range		220-240Vac	100-277Vac
Input Frequency			50/60Hz
Power Factor		0.95	0.9
MECHANICAL			
Case Cover / Chassis			Aluminium
Dimensions (L x W x D)		359 x 30 x 21 mm (14.13" x 1.18" x 0.82")	280 x 30 x 25.4 mm (11.02" x 1.18" x 1")
Unit Weight		1.04 kg (2.29 lb)	1.04 kg (2.29 lb)
Cooling System			Convection
Input Cable	UL	WAGO: 250-204	
Output Cable	UL	WAGO: 250	
MTBF ¹⁾			50,000 hrs
ENVIRONMENT			
Operating Temperature		-25°C to +50°C	
Storage Temperature		-25°C to +70°C	
Operating Humidity		5 to 95% RH (Non-Condensing)	
Degree of Protection		IP20	

Notes
1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

GPV LED Driver

12-18W Output Power (International AC Voltage)

GPV

HIGHLIGHTS & FEATURES

- Constant Voltage
- Short circuit, Over current, Over voltage & Over temperature protection
- Cooling by free air convection
- 100% full load burn-in test
- Isolation class II
- Class 2 power unit
- Fully encapsulated with IP67 level

GENERAL SPECIFICATIONS



OUTPUT		GPV-12-12	GPV-12-24
Nominal Output Current		1A	0.5A
Nominal Output Voltage		12V	24V
Output Power		12W	12W
INPUT			
Input Voltage Range		90-264Vac	
Input Frequency		50/60Hz	
Power Factor		-	
MECHANICAL			
Case Cover / Chassis		Plastic	
Dimensions (L x W x D)		129.5 x 25 x 20 mm (5.09" x 0.98" x 0.78")	
Unit Weight		0.13 kg (0.28 lb)	
Cooling System		Convection	
Input Cable	UL	UL 1015 18AWG (Line: Brown, Neutral: Blue)	
Output Cable	UL	UL 1015 18AWG (Positive: Red, Negative: Black)	
MTBF ¹⁾		150,000 hrs	
ENVIRONMENT			
Operating Temperature		-30°C to +70°C	
Storage Temperature		-40°C to +80°C	
Operating Humidity		20 to 90% RH (Non-Condensing)	
Degree of Protection		IP67	

OUTPUT		GPV-18-12	GPV-18-24
Nominal Output Current		1.5A	0.75A
Nominal Output Voltage		12V	24V
Output Power		18W	18W
INPUT			
Input Voltage Range		180-264Vac	
Input Frequency		50/60Hz	
Power Factor		-	
MECHANICAL			
Case Cover / Chassis		Plastic	
Dimensions (L x W x D)		129.5 x 25 x 21 mm (5.09" x 0.98" x 0.82")	
Unit Weight		0.15 kg (0.33 lb)	
Cooling System		Convection	
Input Cable	UL	UL 1015 18AWG (Line: Brown, Neutral: Blue)	
Output Cable	UL	UL 1015 18AWG (Positive: Red, Negative: Black)	
MTBF ¹⁾		150,000 hrs	
ENVIRONMENT			
Operating Temperature		-30°C to +70°C	
Storage Temperature		-40°C to +80°C	
Operating Humidity		20 to 90% RH (Non-Condensing)	
Degree of Protection		IP67	

Notes

1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).

2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

GPV LED Driver

15-24W Output Power (International AC Voltage)

GPV

HIGHLIGHTS & FEATURES

- Constant Voltage
- Universal AC input / Full range
- Short circuit, Over current, Over voltage & Over temperature protection
- Cooling by free air convection
- 100% full load burn-in test
- Isolation class II
- Class 2 power unit
- Fully encapsulated with IP67 level

GENERAL SPECIFICATIONS



OUTPUT		GPV-20-5	GPV-20-12
Nominal Output Current		3A	2A
Nominal Output Voltage		5V	12V
Output Power		15W	24W
INPUT			
Input Voltage Range		90-264Vac	
Input Frequency		50/60Hz	
Power Factor		-	
MECHANICAL			
Case Cover / Chassis		Plastic	
Dimensions (L x W x D)		140 x 32 x 25 mm (5.51" x 1.25" x 0.98")	
Unit Weight		0.2 kg (0.44 lb)	
Cooling System		Convection	
Input Cable	UL	UL 1015 18AWG (Line: Brown, Neutral: Blue)	
Output Cable	UL	UL 1015 18AWG (Positive: Red, Negative: Black)	
MTBF ¹⁾		150,000 hrs	
ENVIRONMENT			
Operating Temperature		-30°C to +70°C	
Storage Temperature		-40°C to +80°C	
Operating Humidity		20 to 90% RH (Non-Condensing)	
Degree of Protection		IP67	

OUTPUT		GPV-20-15	GPV-20-24	GPV-20-36
Nominal Output Current		1.33A	1A	0.66A
Nominal Output Voltage		15V	24V	36V
Output Power		24W	24W	24W
INPUT				
Input Voltage Range		90-264Vac		
Input Frequency		50/60Hz		
Power Factor		-		
MECHANICAL				
Case Cover / Chassis		Plastic		
Dimensions (L x W x D)		140 x 32 x 25 mm (5.51" x 1.25" x 0.98")		
Unit Weight		0.2 kg (0.44 lb)		
Cooling System		Convection		
Input Cable	UL	UL 1015 18AWG (Line: Brown, Neutral: Blue)		
Output Cable	UL	UL 1015 18AWG (Positive: Red, Negative: Black)		
MTBF ¹⁾		150,000 hrs		
ENVIRONMENT				
Operating Temperature		-30°C to +70°C		
Storage Temperature		-40°C to +80°C		
Operating Humidity		20 to 90% RH (Non-Condensing)		
Degree of Protection		IP67		

Notes

1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).

2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

GPV LED Driver

25-36W Output Power (International AC Voltage)

GPV

HIGHLIGHTS & FEATURES

- Constant Voltage
- Universal AC input / Full range
- Short circuit, Over current & Over voltage protection
- Cooling by free air convection
- 100% full load burn-in test
- Isolation class II
- Class 2 power unit
- Fully encapsulated with IP67 level

GENERAL SPECIFICATIONS



OUTPUT		GPV-35-5	GPV-35-12
Nominal Output Current		5A	3A
Nominal Output Voltage		5V	12V
Output Power		25W	36W
INPUT			
Input Voltage Range		90-264Vac	
Input Frequency		50/60Hz	
Power Factor		-	
MECHANICAL			
Case Cover / Chassis		Plastic	
Dimensions (L x W x D)		148 x 32 x 28 mm (5.82" x 1.25" x 1.1")	
Unit Weight		0.2 kg (0.44 lb)	
Cooling System		Convection	
Input Cable	UL	UL 1015 18AWG (Line: Brown, Neutral: Blue)	
Output Cable	UL	UL 1015 18AWG (Positive: Red, Negative: Black)	
MTBF ¹⁾		150,000 hrs	
ENVIRONMENT			
Operating Temperature		-30°C to +70°C	
Storage Temperature		-40°C to +80°C	
Operating Humidity		20 to 90% RH (Non-Condensing)	
Degree of Protection		IP67	

OUTPUT		GPV-35-15	GPV-35-24	GPV-35-36
Nominal Output Current		2.4A	1.5A	1A
Nominal Output Voltage		15V	24V	36V
Output Power		36W	36W	36W
INPUT				
Input Voltage Range		90-264Vac		
Input Frequency		50/60Hz		
Power Factor		-		
MECHANICAL				
Case Cover / Chassis		Plastic		
Dimensions (L x W x D)		148 x 32 x 28 mm (5.82" x 1.25" x 1.1")		
Unit Weight		0.2 kg (0.44 lb)		
Cooling System		Convection		
Input Cable	UL	UL 1015 18AWG (Line: Brown, Neutral: Blue)		
Output Cable	UL	UL 1015 18AWG (Positive: Red, Negative: Black)		
MTBF ¹⁾		150,000 hrs		
ENVIRONMENT				
Operating Temperature		-30°C to +70°C		
Storage Temperature		-40°C to +80°C		
Operating Humidity		20 to 90% RH (Non-Condensing)		
Degree of Protection		IP67		

Notes

1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).

2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

GPV LED Driver

40-60W Output Power (International AC Voltage)



GPV

HIGHLIGHTS & FEATURES

- Constant Voltage
- Universal AC input / Full range
- Short circuit, Over current, Over voltage & Over temperature protection
- Cooling by free air convection
- 100% full load burn-in test
- Isolation class II
- Class 2 power unit
- Fully encapsulated with IP67 level

GENERAL SPECIFICATIONS



OUTPUT		GPV-50-12	GPV-50-24
Nominal Output Current		4A	2A
Nominal Output Voltage		12V	24V
Output Power		48W	48W
INPUT			
Input Voltage Range		90-264Vac	
Input Frequency		50/60Hz	
Power Factor		-	
MECHANICAL			
Case Cover / Chassis		Plastic	
Dimensions (L x W x D)		148 x 40 x 30 mm (5.82" x 1.57" x 1.18")	
Unit Weight		0.34 kg (0.44 lb)	
Cooling System		Convection	
Input Cable	UL	UL 1015 18AWG (Line: Brown, Neutral: Blue)	
Output Cable	UL	UL 1015 18AWG (Positive: Red, Negative: Black)	
MTBF ¹⁾		150,000 hrs	
ENVIRONMENT			
Operating Temperature		-30°C to +70°C	
Storage Temperature		-40°C to +80°C	
Operating Humidity		20 to 90% RH (Non-Condensing)	
Degree of Protection		IP67	

OUTPUT		GPV-60-5	GPV-60-12	GPV-60-15	GPV-60-24	GPV-60-36
Nominal Output Current		8A	5A	4A	2.5A	1.67A
Nominal Output Voltage		5V	12V	15V	24V	36V
Output Power		40W	60W	60W	60W	60.12W
INPUT						
Input Voltage Range		90-264Vac				
Input Frequency		50/60Hz				
Power Factor		-				
MECHANICAL						
Case Cover / Chassis		Plastic				
Dimensions (L x W x D)		162 x 42 x 33 mm (6.37" x 1.65" x 1.29")				
Unit Weight		0.39 kg (0.85 lb)				
Cooling System		Convection				
Input Cable	UL	UL 1015 18AWG (Line: Brown, Neutral: Blue)				
Output Cable	UL	UL 1015 18AWG (Positive: Red, Negative: Black)				
MTBF ¹⁾		150,000 hrs				
ENVIRONMENT						
Operating Temperature		-30°C to +70°C				
Storage Temperature		-40°C to +80°C				
Operating Humidity		20 to 90% RH (Non-Condensing)				
Degree of Protection		IP67				

Notes

- 1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
- 2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

GPV LED Driver

70-150W Output Power (International AC Voltage)

GPV

HIGHLIGHTS & FEATURES

- Constant Voltage
- Universal AC input / Full range
- Short circuit, Over current, Over voltage & Over temperature protection
- Cooling by free air convection
- 100% full load burn-in test
- Isolation class II
- Class 2 power unit
- Fully encapsulated with IP67 level

GENERAL SPECIFICATIONS



OUTPUT		GPV-75-12	GPV-75-24
Nominal Output Current		6A	3A
Nominal Output Voltage		12V	24V
Output Power		72W	72W
INPUT			
Input Voltage Range		90-264Vac	
Input Frequency		50/60Hz	
Power Factor		-	
MECHANICAL			
Case Cover / Chassis		Plastic	
Dimensions (L x W x D)		162 x 42 x 33 mm (6.37" x 1.65" x 1.29")	
Unit Weight		0.38 kg (0.83 lb)	
Cooling System		Convection	
Input Cable	UL	UL 1015 18AWG (Line: Brown, Neutral: Blue)	
Output Cable	UL	UL 1015 18AWG (Positive: Red, Negative: Black)	
MTBF ¹⁾		150,000 hrs	
ENVIRONMENT			
Operating Temperature		-30°C to +70°C	
Storage Temperature		-40°C to +80°C	
Operating Humidity		20 to 90% RH (Non-Condensing)	
Degree of Protection		IP67	

OUTPUT		GPV-100-12	GPV-100-24	GPV-100-36	GPV-150-12	GPV-150-24
Nominal Output Current		8.3A	4.2A	2.8A	10A	6A
Nominal Output Voltage		12V	24V	36V	12V	24V
Output Power		99.6W	100.8W	100.8W	120W	144W
INPUT						
Input Voltage Range		90-264Vac				180-277Vac
Input Frequency				50/60Hz		
Power Factor				-		
MECHANICAL						
Case Cover / Chassis				Plastic		
Dimensions (L x W x D)		187 x 42 x 33 mm (7.36" x 1.65" x 1.29")				203 x 70 x 45 mm (7.99" x 2.75" x 1.77")
Unit Weight		0.62 kg (1.36 lb)				1.15 kg (2.53 lb)
Cooling System				Convection		
Input Cable	UL	UL 1015 18AWG (Line: Brown, Neutral: Blue)				
Output Cable	UL	UL 1015 18AWG (Positive: Red, Negative: Black)				
MTBF ¹⁾				150,000 hrs		
ENVIRONMENT						
Operating Temperature				-30°C to +70°C		
Storage Temperature				-40°C to +80°C		
Operating Humidity				20 to 90% RH (Non-Condensing)		
Degree of Protection				IP67		

Notes

1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).

2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

GPVP LED Driver

18-60W Output Power (International AC Voltage)



GPVP

HIGHLIGHTS & FEATURES

- Constant Voltage
- Universal AC input / Full range
- Built-in active PFC function
- Short circuit, Over current, Over voltage & Over temperature protection
- Cooling by free air convection
- 100% full load burn-in test
- Isolation class II, double isolated cables
- Fully encapsulated with IP67 level

GENERAL SPECIFICATIONS



OUTPUT		GPVP-20-12	GPVP-20-24
Nominal Output Current		1.5A	0.75A
Nominal Output Voltage		12V	24V
Output Power		18W	18W
INPUT			
Input Voltage Range		90-264Vac	
Input Frequency		50/60Hz	
Power Factor		0.9	
MECHANICAL			
Case Cover / Chassis		Plastic	
Dimensions (L x W x D)		140 x 32 x 25 mm (5.51" x 1.25" x 0.98")	
Unit Weight		0.21 kg (0.46 lb)	
Cooling System		Convection	
Input Cable	UL	UL 1015 18AWG (Line: Brown, Neutral: Blue)	
Output Cable	UL	UL 1015 18AWG (Positive: Red, Negative: Black)	
MTBF ¹⁾		150,000 hrs	
ENVIRONMENT			
Operating Temperature		-20°C to +70°C	
Storage Temperature		-40°C to +80°C	
Operating Humidity		20 to 90% RH (Non-Condensing)	
Degree of Protection		IP67	

OUTPUT		GPVP-35-12	GPVP-35-24	GPVP-60-12	GPVP-60-24
Nominal Output Current		3A	1.5A	5A	2.5A
Nominal Output Voltage		12V	24V	12V	24V
Output Power		36W	36W	60W	60W
INPUT					
Input Voltage Range		90-264Vac			
Input Frequency		50/60Hz			
Power Factor		0.9			
MECHANICAL					
Case Cover / Chassis		Plastic			
Dimensions (L x W x D)		149 x 32 x 28 mm (5.86" x 1.25" x 1.1")		162 x 42 x 33 mm (6.37" x 1.65" x 1.29")	
Unit Weight		0.23 kg (0.5 lb)		0.4 kg (0.88 lb)	
Cooling System		Convection			
Input Cable	UL	UL 1015 18AWG (Line: Brown, Neutral: Blue)			
Output Cable	UL	UL 1015 18AWG (Positive: Red, Negative: Black)			
MTBF ¹⁾		150,000 hrs			
ENVIRONMENT					
Operating Temperature		-30°C to +70°C			
Storage Temperature		-40°C to +80°C			
Operating Humidity		20 to 90% RH (Non-Condensing)			
Degree of Protection		IP67			

Notes

1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).

2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

GPC LED Driver

9-20W Output Power (International AC Voltage)

GPC

HIGHLIGHTS & FEATURES

- Constant Current
- Universal AC input / Full range
- Short circuit protection
- Cooling by free air convection
- 100% full load burn-in test
- Isolation class II
- UL1310 Class 2 power unit, pass LPS
- Fully encapsulated with IP67 level



GENERAL SPECIFICATIONS

LPS 

OUTPUT		GPC-9-350	GPC-9-700
Nominal Output Current		350mA	700mA
Nominal Output Voltage		3-24V	2-12V
Output Power		8.4W	8.4W
INPUT			
Input Voltage Range		90-264Vac	
Input Frequency		50/60Hz	
Power Factor		-	
MECHANICAL			
Case Cover / Chassis		Plastic	
Dimensions (L x W x D)		129.5 x 25 x 20 mm (5.09" x 0.98" x 0.78")	
Unit Weight		0.13 kg (0.28 lb)	
Cooling System		Convection	
Input Cable	UL	UL 1015 18AWG (Line: Brown, Neutral: Blue)	
Output Cable	UL	UL 1015 18AWG (Positive: Red, Negative: Black)	
MTBF ¹⁾		150,000 hrs	
ENVIRONMENT			
Operating Temperature		-30°C to +70°C	
Storage Temperature		-40°C to +80°C	
Operating Humidity		20 to 90% RH (Non-Condensing)	
Degree of Protection		IP67	

OUTPUT		GPC-20-350	GPC-20-700
Nominal Output Current		350mA	700mA
Nominal Output Voltage		9-48V	3-28V
Output Power		16.8W	19.6W
INPUT			
Input Voltage Range		90-264Vac	
Input Frequency		50/60Hz	
Power Factor		-	
MECHANICAL			
Case Cover / Chassis		Plastic	
Dimensions (L x W x D)		140 x 32 x 25 mm (5.51" x 1.25" x 0.98")	
Unit Weight		0.2 kg (0.44 lb)	
Cooling System		Convection	
Input Cable	UL	UL 1015 18AWG (Line: Brown, Neutral: Blue)	
Output Cable	UL	UL 1015 18AWG (Positive: Red, Negative: Black)	
MTBF ¹⁾		150,000 hrs	
ENVIRONMENT			
Operating Temperature		-30°C to +70°C	
Storage Temperature		-40°C to +80°C	
Operating Humidity		20 to 90% RH (Non-Condensing)	
Degree of Protection		IP67	

Notes

1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).

2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

GPC LED Driver

35-60W Output Power (International AC Voltage)



GPC

HIGHLIGHTS & FEATURES

- Constant Current
- Universal AC input / Full range
- Short circuit protection
- Cooling by free air convection
- 100% full load burn-in test
- Isolation class II
- UL1310 Class 2 power unit, pass LPS
- Fully encapsulated with IP67 level

GENERAL SPECIFICATIONS

LPS CE

OUTPUT	GPC-35-350		GPC-35-700	GPC-35-1050	GPC-35-1400
Nominal Output Current	350mA		700mA	1050mA	1400mA
Nominal Output Voltage	30-80V		9-48V	9-30V	9-24V
Output Power	28W		33.6W	31.5W	33.6W
INPUT					
Input Voltage Range	90-264Vac				
Input Frequency	50/60Hz				
Power Factor	-				
MECHANICAL					
Case Cover / Chassis	Plastic				
Dimensions (L x W x D)	149 x 32 x 28 mm (5.86" x 1.25" x 1.1")				
Unit Weight	0.25 kg (0.55 lb)				
Cooling System	Convection				
Input Cable	UL	UL 1015 18AWG (Line: Brown, Neutral: Blue)			
Output Cable	UL	UL 1015 18AWG (Positive: Red, Negative: Black)			
MTBF ¹⁾	150,000 hrs				
ENVIRONMENT					
Operating Temperature	-30°C to +70°C				
Storage Temperature	-40°C to +80°C				
Operating Humidity	20 to 90% RH (Non-Condensing)				
Degree of Protection	IP67				

OUTPUT		GPC-60-1050	GPC-60-1400	GPC-60-1750
Nominal Output Current		1050mA	1400mA	1750mA
Nominal Output Voltage		12-60V	9-42V	9-36V
Output Power		63W	58.8W	63W
INPUT				
Input Voltage Range		90-264Vac		
Input Frequency		50/60Hz		
Power Factor		-		
MECHANICAL				
Case Cover / Chassis		Plastic		
Dimensions (L x W x D)		162 x 42 x 33 mm (6.37" x 1.65" x 1.29")		
Unit Weight		0.36 kg (0.79 lb)		
Cooling System		Convection		
Input Cable	UL	UL 1015 18AWG (Line: Brown, Neutral: Blue)		
Output Cable	UL	UL 1015 18AWG (Positive: Red, Negative: Black)		
MTBF ¹⁾		150,000 hrs		
ENVIRONMENT				
Operating Temperature		-30°C to +70°C		
Storage Temperature		-40°C to +80°C		
Operating Humidity		20 to 90% RH (Non-Condensing)		
Degree of Protection		IP67		

Notes

1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).

2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

GPCP LED Driver

20-35W Output Power (International AC Voltage)



GPCP

HIGHLIGHTS & FEATURES

- Constant Current
- Universal AC input / Full range
- Built-in active PFC function
- Short circuit protection
- Cooling by free air convection
- 100% full load burn-in test
- Isolation class II, double isolated cables, pass LPS
- Fully encapsulated with IP67 level

GENERAL SPECIFICATIONS

LPS 

OUTPUT		GPCP-20-350	GPCP-20-700
Nominal Output Current		350mA	700mA
Nominal Output Voltage		12-48V	9-30V
Output Power		16.8W	21W
INPUT			
Input Voltage Range		90-264Vac	
Input Frequency		50/60Hz	
Power Factor		0.85	
MECHANICAL			
Case Cover / Chassis		Plastic	
Dimensions (L x W x D)		140 x 32 x 25 mm (5.51" x 1.25" x 0.98")	
Unit Weight		0.2 kg (0.44 lb)	
Cooling System		Convection	
Input Cable	UL	UL 1015 18AWG (Line: Brown, Neutral: Blue)	
Output Cable	UL	UL 1015 18AWG (Positive: Red, Negative: Black)	
MTBF ¹⁾		150,000 hrs	
ENVIRONMENT			
Operating Temperature		-30°C to +70°C	
Storage Temperature		-40°C to +80°C	
Operating Humidity		20 to 90% RH (Non-Condensing)	
Degree of Protection		IP67	

OUTPUT		GPCP-35-350	GPCP-35-700	GPCP-35-1050	GPCP-35-1400
Nominal Output Current		350mA	700mA	1050mA	1400mA
Nominal Output Voltage		40-80V	24-48V	16-32V	12-24V
Output Power		28W	33.6W	33.6W	33.6W
INPUT					
Input Voltage Range		90-264Vac			
Input Frequency		50/60Hz			
Power Factor		0.9			
MECHANICAL					
Case Cover / Chassis		Plastic			
Dimensions (L x W x D)		149 x 32 x 28 mm (5.86" x 1.25" x 1.1")			
Unit Weight		0.25 kg (0.55 lb)			
Cooling System		Convection			
Input Cable	UL	UL 1015 18AWG (Line: Brown, Neutral: Blue)			
Output Cable	UL	UL 1015 18AWG (Positive: Red, Negative: Black)			
MTBF ¹⁾		150,000 hrs			
ENVIRONMENT					
Operating Temperature		-30°C to +70°C			
Storage Temperature		-40°C to +80°C			
Operating Humidity		20 to 90% RH (Non-Condensing)			
Degree of Protection		IP67			

Notes

1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).

2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

GPCP LED Driver

60-100W Output Power (International AC Voltage)



GPCP

HIGHLIGHTS & FEATURES

- Constant Current
- Universal AC input / Full range
- Built-in active PFC function
- Short circuit protection
- Cooling by free air convection
- 100% full load burn-in test
- Isolation class II, double isolated cables, pass LPS
- Fully encapsulated with IP67 level

GENERAL SPECIFICATIONS



OUTPUT		GPCP-60-700	GPCP-60-1050	GPCP-60-1250	GPCP-60-1400
Nominal Output Current		700mA	1050mA	1250mA	1400mA
Nominal Output Voltage		40-80V	30-60V	24-47V	20-42V
Output Power		56W	63W	58.8W	58.8W
INPUT					
Input Voltage Range		90-264Vac			
Input Frequency		50/60Hz			
Power Factor		0.9			
MECHANICAL					
Case Cover / Chassis		Plastic			
Dimensions (L x W x D)		162 x 42 x 33 mm (6.37" x 1.65" x 1.29")			
Unit Weight		0.39 kg (0.85 lb)			
Cooling System		Convection			
Input Cable	UL	UL 1015 18AWG (Line: Brown, Neutral: Blue)			
Output Cable	UL	UL 1015 18AWG (Positive: Red, Negative: Black)			
MTBF ¹⁾		150,000 hrs			
ENVIRONMENT					
Operating Temperature		-30°C to +70°C			
Storage Temperature		-40°C to +80°C			
Operating Humidity		20 to 90% RH (Non-Condensing)			
Degree of Protection		IP67			

OUTPUT		GPCP-60-1750	GPCP-60-2100	GPCP-100-1400
Nominal Output Current		1750mA	2100mA	1400mA
Nominal Output Voltage		18-36V	16-30V	32-64V
Output Power		63W	63W	89.6W
INPUT				
Input Voltage Range		90-264Vac		
Input Frequency		50/60Hz		
Power Factor		0.9		
MECHANICAL				
Case Cover / Chassis		Plastic		
Dimensions (L x W x D)		162 x 42 x 33 mm (6.37" x 1.65" x 1.29")		172 x 63 x 38 mm (6.77" x 2.48" x 1.49")
Unit Weight		0.39 kg (0.85 lb)		0.63 kg (1.38 lb)
Cooling System		Convection		
Input Cable	UL	UL 1015 18AWG (Line: Brown, Neutral: Blue)		
Output Cable	UL	UL 1015 18AWG (Positive: Red, Negative: Black)		
MTBF ¹⁾		150,000 hrs		
ENVIRONMENT				
Operating Temperature		-30°C to +70°C		
Storage Temperature		-40°C to +80°C		
Operating Humidity		20 to 90% RH (Non-Condensing)		
Degree of Protection		IP67		

Notes

1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).

2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

GPF LED Driver

25-60W Output Power (International AC Voltage)



GPF

HIGHLIGHTS & FEATURES

- Constant Voltage + Constant Current
- Built-in active PFC function
- Universal AC input / Full range
- Short circuit, Over voltage, Over current & Over temperature protection
- Built-in 3 in 1 dimming function: 0-10V or PWM or resistance
- Cooling by free air convection, 100% full load burn-in test
- Isolation class II
- Fully encapsulated with IP67 level

GENERAL SPECIFICATIONS



OUTPUT		GPF-25D-350	GPF-25D-700	GPF-25D-1050	GPF-40D-350	GPF-40D-700	GPF-40D-1050	GPF-40D-1400	GPF-40D-1750
Nominal Output Current		350mA	700mA	1050mA	350mA	700mA	1050mA	1400mA	1750mA
Nominal Output Voltage		44-72V	22-36V	15-24V	72-120V	36-60V	24-40V	18-30V	15-24V
Output Power		25.2W	25.2W	25.2W	42W	42W	42W	42W	42W
INPUT									
Input Voltage Range		85-277Vac							
Input Frequency		50/60Hz							
Power Factor		0.95							
MECHANICAL									
Case Cover / Chassis		Plastic							
Dimensions (L x W x D)		138 x 43 x 34 mm (5.43" x 1.69" x 1.33")				153 x 43 x 34 mm (6.02" x 1.69" x 1.33")			
Unit Weight		0.3 kg (0.66 lb)				0.4 kg (0.88 lb)			
Cooling System		Convection							
Input Cable	UL	SJTW AWG18 (Line: White, Neutral: Black)							
Output Cable	UL	AWG18 (Positive: Red, Negative: Black), DIMMING - AWG18 (Positive: Blue, Negative: White)							
MTBF ¹⁾		150,000 hrs							
ENVIRONMENT									
Operating Temperature		-30°C to +70°C							
Storage Temperature		-40°C to +80°C							
Operating Humidity		20 to 90% RH (Non-Condensing)							
Degree of Protection		IP67							

OUTPUT		GPF-60D-700	GPF-60D-1050	GPF-60D-1400	GPF-60D-1750	GPF-60D-2100	GPF-60D-2450
Nominal Output Current		700mA	1050mA	1400mA	1750mA	2100mA	2450mA
Nominal Output Voltage		40-80V	30-60V	22-42V	20-36V	14-28V	12-24V
Output Power		56W	63W	58.8W	63W	58.8W	58.8W
INPUT							
Input Voltage Range		85-277Vac					
Input Frequency		50/60Hz					
Power Factor		0.95					
MECHANICAL							
Case Cover / Chassis		Plastic					
Dimensions (L x W x D)		168 x 44 x 34 mm (6.61" x 1.73" x 1.33")					
Unit Weight		0.44 kg (0.97 lb)					
Cooling System		Convection					
Input Cable	UL	SJTW AWG18 (Line: White, Neutral: Black)					
Output Cable	UL	AWG18 (Positive: Red, Negative: Black), DIMMING - AWG18 (Positive: Blue, Negative: White)					
MTBF ¹⁾		150,000 hrs					
ENVIRONMENT							
Operating Temperature		-30°C to +70°C					
Storage Temperature		-40°C to +80°C					
Operating Humidity		20 to 90% RH (Non-Condensing)					
Degree of Protection		IP67					

Notes

1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).

2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

GLG LED Driver

60-150W Output Power (International AC Voltage)



GLG

HIGHLIGHTS & FEATURES

- CV + CC mode power supply
- Built-in active PFC function
- Universal AC input / Full range
- Short circuit, Over current & Over voltage (Over temperature in GLG-100 & GLG-150) protection
- 100% full load burn-in test
- Built-in potentiometers to adjust output voltage and current (GLG-100 & GLG-150)
- IP65/IP67 design

GENERAL SPECIFICATIONS



OUTPUT	GLG-60-12		GLG-60-24		GLG-100-12A		GLG-100-24A	
Nominal Output Current	5A		2.5A		8.5A		4.2A	
Nominal Output Voltage	12V		24V		12V		24V	
Output Power	60W		60W		102W		100.8W	
INPUT								
Input Voltage Range					90-264Vac			
Input Frequency					50/60Hz			
Power Factor	0.9				0.95			
MECHANICAL								
Case Cover / Chassis					Metal			
Dimensions (L x W x D)	175 x 56 x 38 mm (6.89" x 2.2" x 1.49")				216 x 66 x 40 mm (8.5" x 2.6" x 1.57")			
Unit Weight	0.7 kg (1.54 lb)				0.95 kg (2.09 lb)			
Cooling System					Convection			
Input Cable	UL	H05VV-F (Line: Brown, Neutral: Blue, PE: Green/Yellow)						
Output Cable	UL	SVT 2/C AWG16 (Positive: Red, Negative: Black)						
MTBF ¹⁾					> 500,000 hrs			
ENVIRONMENT								
Operating Temperature					-30°C to +70°C			
Storage Temperature					-40°C to +80°C			
Operating Humidity					20 to 95% RH (Non-Condensing)			
Degree of Protection	IP67				IP65			

OUTPUT		GLG-150-12A	GLG-150-24A
Nominal Output Current		12.5A	6.3A
Nominal Output Voltage		12V	24V
Output Power		150W	151.2W
INPUT			
Input Voltage Range		90-264Vac	
Input Frequency		50/60Hz	
Power Factor		0.95	
MECHANICAL			
Case Cover / Chassis		Metal	
Dimensions (L x W x D)		221 x 70 x 45 mm (8.7" x 2.75" x 1.77")	
Unit Weight		1.15 kg (2.53 lb)	
Cooling System		Convection	
Input Cable	UL	H05VV-F (Line: Brown, Neutral: Blue, PE: Green/Yellow)	
Output Cable	UL	SVT 2/C AWG16 (Positive: Red, Negative: Black)	
MTBF ¹⁾		> 500,000 hrs	
ENVIRONMENT			
Operating Temperature		-30°C to +70°C	
Storage Temperature		-40°C to +80°C	
Operating Humidity		20 to 95% RH (Non-Condensing)	
Degree of Protection		IP65	

Notes

1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).

2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

GLG LED Driver

200-300W Output Power (International AC Voltage)



GLG

HIGHLIGHTS & FEATURES

- CV + CC mode power supply
- Built-in active PFC function
- Universal AC input / Full range
- Short circuit, Over current & Over voltage (Over temperature in GLG-200) protection
- 100% full load burn-in test
- Built-in potentiometers to adjust output voltage and current (GLG-200)
- IP65/IP67 design

GENERAL SPECIFICATIONS



OUTPUT		GLG-200-12A	GLG-200-24A
Nominal Output Current		16A	8.25A
Nominal Output Voltage		12V	24V
Output Power		192W	192W
INPUT			
Input Voltage Range		90-277Vac (127-390Vdc)	
Input Frequency		50/60Hz	
Power Factor		0.95	
MECHANICAL			
Case Cover / Chassis		Metal	
Dimensions (L x W x D)		241 x 96 x 43.5 mm (9.49" x 3.78" x 1.71")	
Unit Weight		1.8 kg (3.97 lb)	
Cooling System		Convection	
Input Cable	UL	H05VV-F (Line: Brown, Neutral: Blue, PE: Green/Yellow)	
Output Cable	UL	SJT AWG12 (Positive: White, Negative: Black)	
MTBF ¹⁾		> 500,000 hrs	
ENVIRONMENT			
Operating Temperature		-30°C to +50°C	
Storage Temperature		-40°C to +80°C	
Operating Humidity		20 to 95% RH (Non-Condensing)	
Degree of Protection		IP65	

OUTPUT		GLG-300-12	GLG-300-24
Nominal Output Current		25A	12.5A
Nominal Output Voltage		12V	24V
Output Power		300W	300W
INPUT			
Input Voltage Range		90-264Vac	
Input Frequency		50/60Hz	
Power Factor		0.95	
MECHANICAL			
Case Cover / Chassis		Metal	
Dimensions (L x W x D)		285 x 96 x 50 mm (11.22" x 3.78" x 1.97")	
Unit Weight		2.2 kg (4.85 lb)	
Cooling System		Convection	
Input Cable	UL	H05VV-F (Line: Brown, Neutral: Blue, PE: Green/Yellow)	
Output Cable	UL	SJT AWG12 (Positive: White, Negative: Black)	
MTBF ¹⁾		> 500,000 hrs	
ENVIRONMENT			
Operating Temperature		-30°C to +70°C	
Storage Temperature		-40°C to +80°C	
Operating Humidity		20 to 95% RH (Non-Condensing)	
Degree of Protection		IP67	

Notes

1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).

2) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

Authorized Distributor: