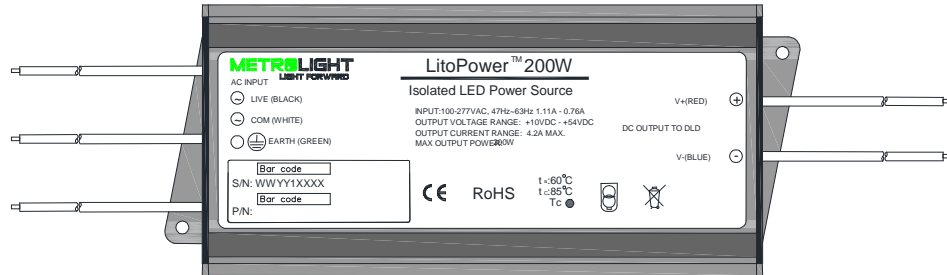


Metrolight LitoPower™ 200 Ultra Compact Power Supply

200W Single Isolated Output



Overview

Metrolight Compact power supply (UCP) technology offers highly efficient, proven solution that drives and controls LEDs at a competitive price.

The UCP offers complete adaptability to the Metrolight's DLD™ design and user's needs.

The UCP is designed to comply with all the applicable standards for any useful typical environments.

The UCP is fully protected and can be setup for many applications.

The UCP was specifically designed to be operated in conjunction with the DLD™ Metrolight's Smart controller.

The UCP is a modular design and can be connected in parallel to one or more DLD's for higher power applications.

Benefits

- Universal AC input Full range (95Vac up to 305Vac)
- Isolated Driver suitable for Class II applications.
- High power factor, Low harmonic current
- High Efficiency (up to 95%)
- Protections: Short circuit, Over Current, Over Voltage, Over Temperature
- IP67 design for indoor or outdoor installations
- Suitable for LED lighting and street lighting applications
- Input Surge protection up to 10KV
- 5 years warranty
- Low Cost
- RoHS

Operating Specifications

Model		LitoPower™ 200
OUTPUT	Output Current Range	4A
	Output Voltage	12-54Vdc Factory set-up
	Rated Power	200W Max.
	Ripple Current (max.)	50mA
	Output current regulation	±2%
	Turn-on Rise time	100mS max. @ Full load
INPUT	Voltage range	90V~305VAC
	Frequency Range	47Hz~63Hz
	Power Factor(Typ.)	PF>0.99 at 115VAC
	Efficiency (Typ.)	95%
	AC Current	2.5A@100Vac , 0.8A@277Vac & Full Load
	Inrush Current	30A max @ 230Vac input
	Surge Protection	IEEE C62.41 Category C Low. Between line and ground 10KV / 1KA. Between phase and neutral 6KV / 3KA
	Short Circuit	The input power decrease when the output rail is shorted. No damage to the Power Supply. Recovery when the fault condition is removed.
ENVIRONMENT	Operating Temp.	-40~60°C
	Operating Humidity	95% RH
	Storage Temp	-40~85°C
	Vibration	The LED Driver can survive vibration towards three mutually perpendicular direction (X, Y, Z), each direction for 72 minutes. The vibration is in accordance with the sine wave with 2mm amplitude, and its frequency range from 10Hz to 500Hz with 5G acceleration
RELIABILITY	MTBF	>300Khours @ 25°C
	Lifetime	The life time shall be at least 10 years at 40°C at full load and nominal input condition.
SAFETY & EMC	Safety Standards	UL8750, UL1950, EN61347-1/A2:2013, EN61347-2-13: 2006, EN60950, IEC61347-1, IEC61347-2-13, EN62493
	Withstand Voltages	I/P-O/P: 3750VAC I/P-FG: 1650VAC O/P-FG: 500VAC
	Isolation Resistance	50MΩ min. at primary to secondary with 500Vdc test voltage
	EMC Emission	Compliance to EN55015 (CISPR15), EN55022 Class B, EN61000-3-2; EN61000-3-3
	EMC Immunity	Compliance to EN61547; EN55042, EN61000-4-2,3,4,5,6,8,11
MECHANICAL	Dimensions	158.7 X 67.6 X 34mm 6.2 x 2.6 x 1.3 Inch.
	Weight	600±50g
	Color	Dark GREY
	Packaging	10pcs/6Kg
OTHERS	/	/
NOTE	1. Ripple current measured at full bandwidth.	
	2. Since EMC performance depends on the installation, manufacturers must re-qualify EMC on the complete installation	

Mechanical Dimensions

