LED Technologies
Creative LED & Effect Technology for the Trade Professional

LED Tech

LEDTech | 500W 24V Constant Voltage LED Driver



Features & Benefits

- Ideal for powering 24V LED Lighting products
- Recommended load 350W
- 280 x 145 x 50mm
- Highly efficient
- The driver has inbuilt safety functions including Short Circuit, Over Voltage and Over Temperature Protection

Quick Specs

24V	500W	IP67
Voltage	Wattage	IP Rating

Full Specification

Prouct code:	102.101
Output Rated Current:	20.8A
Output Voltage Accuracy:	±0.5V
Output Voltage:	24V
Output Rated Power:	500W
Output Efficiency:	88%
Output Ripple and Noise:	120mV
Output Frequency Range:	47~63Hz
Input Voltage Range:	90-130 VAC
Input Power Factor (Typ.):	PFC can be customised. Usuall PFC 0.98%
Input Full Load Efficiency (Typ.):	87%
Input AC Current (Typ.):	100V / 0.89A (Max) 220V / 0.40A (Max)
Input THD @ Full Load:	<5%
Input Inrush Current:	30A (220 VAC)
Input Surge:	6KV
Input Leakage Current:	<0.25mA / 220 VAC
Protection Short Circuit:	Hiccup Mode. Recovers automatically after fault condition is removed.
Protection Over Temperature:	Shut Down o/p voltage. Re-power on to recover.
Protection Over Voltage:	Recovers automatically after fault condition is removed.
Working Temperature:	-40 ~ +60°C
Working Humidity:	10 ~ 90% RH
Vibration:	10 ~ 500 Hz, 5G 12min./1 Cycle, period for 72min each along X, Y, Z axis
Safety Standards:	UK CA, CE

Continued overleaf

LED Technologies
Creative LED & Effect Technology for the Trade Professional

LED Tech

LEDTech | 500W 24V Constant Voltage LED Driver

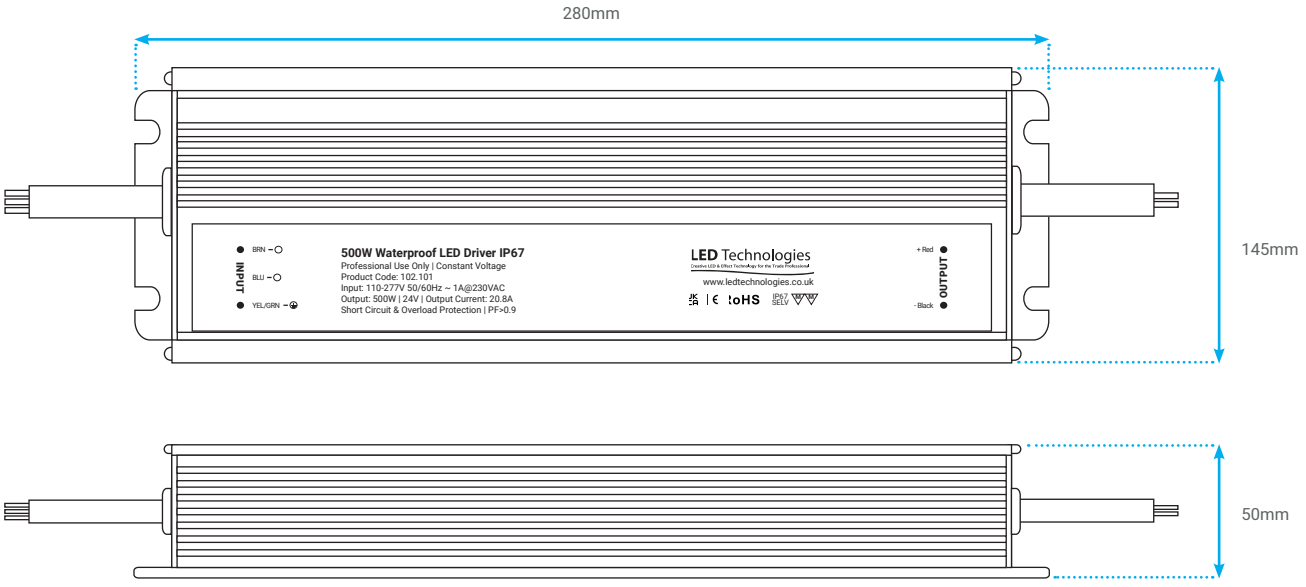
Withstand Voltage:	I/P-O/P:3.75KVAC I/P-FG:2KVAC O/P-FG:1.5KVAC
Isolation Resistance:	≥ 100M OHM (500VDC 25ºC 70% RH)
Weight:	2.4KG
Size:	280 x 145 x 50mm (L x W x H)

Notes:

1. All parameters if NOT specially mentioned are measured at 220V AC input, rated load and 25ºC of ambient temperature
2. To extend the drivers life, please reduce the loading at lower input voltage

Schematic Drawing

Units: mm



Technical Support

If you require any technical support of have an enquiry, please do not hesitate to contact one of our LED technical experts on the contact information provided.

Telephone: 01260 540014

Website: www.ledtechnologies.co.uk

The above data are typical values and may vary +/- 10%.
We reserve the right to change specifications without notice - E&OE.

RoHS Compliant