LED Technologies
Creative LED & Effect Technology for the Trade Professional

LED Tech

LEDTech | 300W 12V LED Driver



Features & Benefits

- Ideal for powering 12V LED Lighting products
- Recommended load 225W
- 227 x 75 x 43mm
- Highly efficient

Quick Specs

12V	300W	IP67
Voltage	Wattage	IP Rating

Full Specification

Prouct code	100.627
Rated Voltage	12VDC
Output Current Range	0 ~ 25.0A
Rated Power	300W
Ripple and Noise (Max)	120mVp-p
Voltage Tolerance	±5.0%
Line Regulation	±1%
Load Regulation	±1.0%
Set-up, Rise Time	1500ms 80ms/230VAC, 2000ms 80ms/110VAC
Hold-up Time	50ms/230VAC at full load, 25ms/110VAC at full load
Voltage Range	170~264VAC
Frequency Range	47~63Hz
Efficiency	87.5%
AC Current	1.3A ~ 3.9A
Inrush Current	Cold Start at 70A/230VAC, Input at Ta: 25ºc cold start.
Leakage Current	<0.5mA at 230VAC, 60Hz Input
Over-Voltage	110% ~ 130% (Shut down O/P voltage, repower on to recover)
Over-load	130% ~ 150% (Shut down O/P voltage, repower on to recover)
Short Circuit	Hiccup mode, recovers automatically after faulty problem is removed
Lightning Protection (Alternative)	Gas discharge tube automatically open to discharge, repower on to recover
Over-temperature	85ºc±10ºc (Shut down O/P voltage, re-power on to recover)
Working Environment	-25ºc ~ +50ºc
Working Humidity	20~90% RH non-condensing

Continued overleaf

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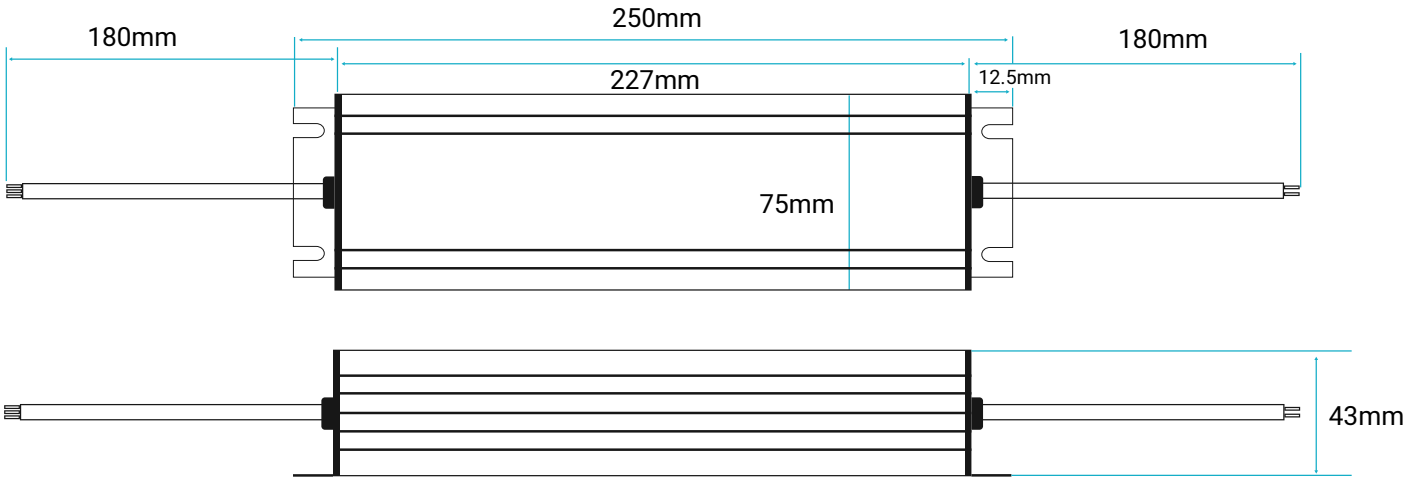
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Storage Environment & Humidity	-30ºc ~ +70ºc
TEMP. Coefficient	±0.05%ºc (0~50ºc)
Vibration	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes
Safety Standards	EN-61347-1, EN61347-2-13, IP67, ROHS Tests, Design refer to UL8750
Withstand Voltage	I/P-O/P: 3KVAC, IP-FG:1.5KVAC, OP-FG: 500VAC
Isolation Resistance	I/P-O/P IP-FG OP-FG: 100M Ohms/500VDC / 25ºc / 70% RH
EMC Emission	Compliance to EN55015: 2007, EN61547:1995+A1:2000; EN61000-3-2: 2006; EN61000-3-3: 2008
Life Span	≥50000Hrs (25~30ºc)
No Load power consumption	≤3.5W
MTBF	250K hrs min, MIL-HDBK-217F (25ºc)
Dimension	227 x 75 x 43mm (L x W x H)
Packing	6pcs/carton
Weight	2.42Kg/pcs

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.

UK CA | CE | RoHS Compliant