

300W, 100-277VAC Constant Voltage LED Driver (Non-Dimmable)

MODEL NO.: LED-24V-12.5A-HW

FEATURES:

- Output constant voltage type
- Input voltage range 100-277VAC
- Built-in PFC function / PF>0.99 / Efficiency >92%
- Protections: short circuit/over voltage/over heat
- IP67 design for indoor or outdoor installations
- Cooling by free air convection
- Suitable for LED lighting and moving sign applications
- Compliance to worldwide safety regulations for lightings.
- 7 years warranty
- UL/cUL listed, Class P, Type HL approval



SPECIFICATIONS:

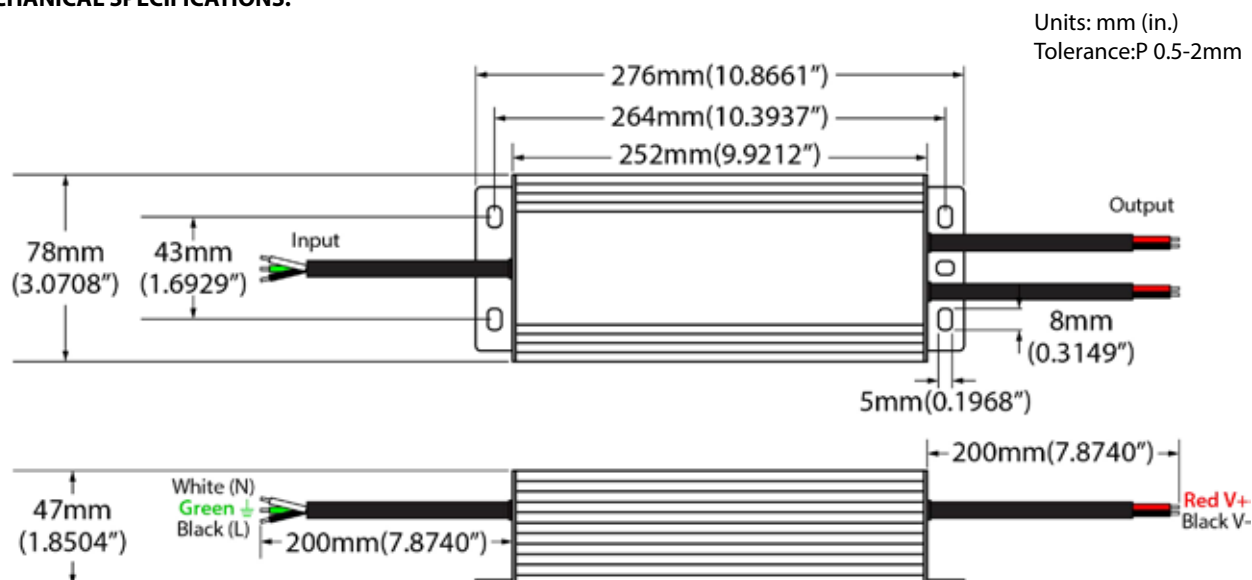


Class P, Type HL, CE IP67

MODEL NO.		LED-24V-12.5A-HW		
OUTPUT	DC Voltage	24V		
	Voltage Tolerance	±0.5V		
	Voltage Regulation	±0.5%		
	Load Regulation	±1%		
	Rated Current	12.50A		
	Rated Power	300W		
INPUT	Voltage Range	110-277VAC		
	Frequency Range	47-63Hz		
	Power Factor (Typ.) @full load	0.99@120VAC 0.98@230VAC 0.97@277VAC		
	THD (Typ.)@ full load	<10%@120VAC	<20%@230VAC	<20%@277VAC
	Efficiency (Typ.) @ full load	88%@120VAC 92%@230VAC 92%@277VAC		
	AC Current (Max.)	3.13A@110VAC		
	Inrush Current (Typ.)	20A, 50%, 1.9ms@120VAC; 60A, 50% 130us@230VAC		
	Leakage Current	<0.50mA		
PROTECTION	Short Circuit	Shut down o/p voltage, re-power on to recover after fault condition is removed		
	Over Loading	≤120% Hiccup mode, recovers automatically after fault condition is removed		
	Over Temperature	100°C±10°C shut down o/p voltage, automatically recover after cooling.		
ENVIRONMENT	Working TEMP.	-40~+60°C (See below derating curve)		
	Working Humidity	20~90% RH, non-condensing		
	Storage TEMP. Humidity	-40~+80°C, 10~95%RH		
	TEMP. Coefficient	±0.03%/°C(0~50°C)		
	Vibration	10~500Hz, 5G 10min./1 cycle, period for 60min. each along X,Y,Z axes		

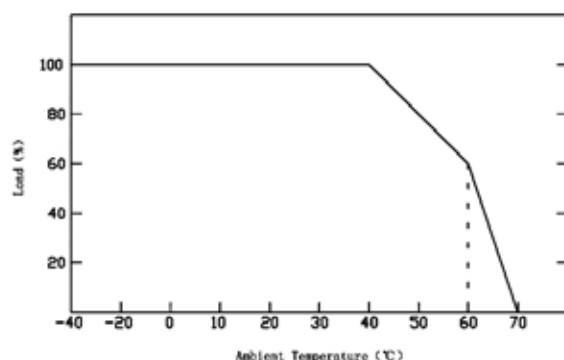
SAFETY & EMC	Safety Standards	UL8750
	Withstand Voltage	I/P-O/P:1.88KVAC
	Isolation Resistance	I/P-O/P:100MΩ/500VDC/25°C/70%RH
	EMC EMISSION	FCC Part 15 B
	EMC IMMUNITY	EN61000-4-2,3,4,5,6,11 (Surge 4KV)
OTHERS	Weight	1.70Kg
	Size	276x78x47mm (LxWxH)
	Packaging	10PCS/CTN, Carton size: 385x335x200mm, 20PCS/CTN
NOTES	1. All parameters if NOT specially mentioned are measured at 120VAC input , rated load and 25°C of ambient temperature. 2. To extend the driver's using life ,please reduce the loading at lower input voltage.	

MECHANICAL SPECIFICATIONS:



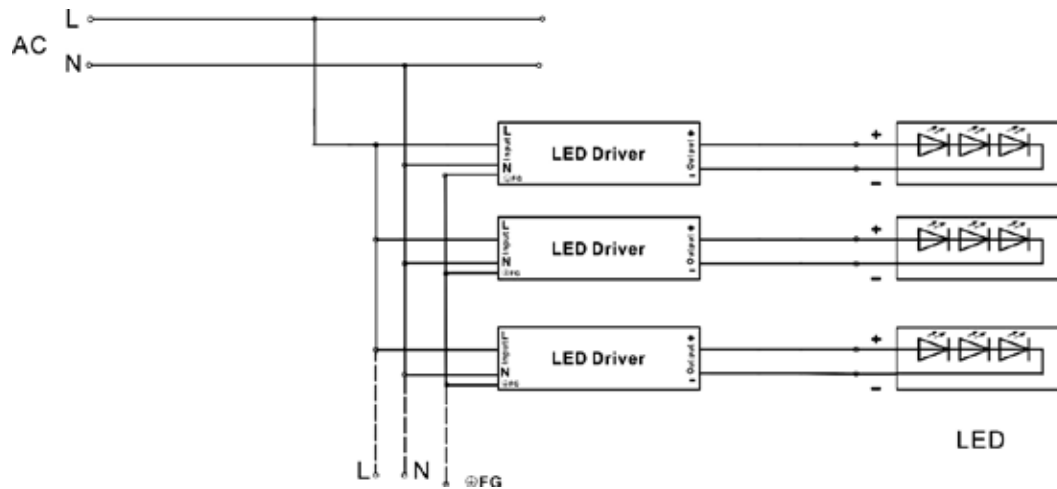
- Input Rubber wire 3*18AWG Black and White to be connected to AC L and N ,Green wire go ground,
 - Output Rubber wire, 2*14AWG Red to LED Positive side (+) , Black to LED Negative side (-).
- Note: 12V & 24V 300W is with 2 group of 2*14AWG output wires to separate the output current.
 36V & 48V 300W is with 1 group of 2*14AWG output wires to separate the output current.

DERATING CURVE:



- To extend their life, please refer to the Derating Curve and derate according to the temperature.

CONNECTING DIAGRAM:



INSTRUCTION:

- This driver should be installed by qualified and professional person;
- Please make sure the driver is installed with adequate ventilation around it to allow for heat dissipation.
- Ensure that wiring is correct before test in order to avoid light and power supply damage.