

60W 110-277VAC Constant Voltage Non-Dimmable LED Driver Class 2 ITEM NUMBER 5015-PSU-60WxxV-JB-CL2



FEATURES

- Output: 12Vdc or 24Vdc Constant Voltage
- Input voltage range 100-277VAC
- Built-in PFC function / PF>0.99 / Efficiency >88%
- Protections for short circuit, over voltage& overheat
- IP20 design for indoor or outdoor installations
- Cooling by free air convection
- Suitable for LED lighting & moving sign applications
- Compliance to worldwide safety regulations
- UL/cUL, FCC listed, Class P, Type HL
- 7 years warranty

SPECIFICATIONS



PRODUCT NUMBER	5015-PSU-60W12V-JB-CL2	5015-PSU-60W24V-JB-CL2
DC Voltage	12V	24V
Voltage Accuracy	±0.5V	± 0.5V
Voltage Regulation	±0.5V	± 0.5V
Rated current	5.00A	2.50A
Load Regulation	± 1%	± 1%
Rated Power	60W	60W
Voltage Range	100-277V AC	100-277V AC
Frequency Range	47-63HZ	47-63HZ
Power Factor (Typ.)	0.98@120VAC 0.94@277VAC	0.98@120VAC 0.95@277VAC
Full Load Efficiency (Typ.)	>83%@110V, >85%@277VAC	>85%@110V, >86%@277VAC
AC Current (Typ.)	0.93A/120VAC	0.93A/120VAC
Inrush Current (Typ.)	14A,50% ,780us @120v ;50A,50% 176us@230V ;15A 50% 660us@277V	
Leakage Current	<0.50mA	<0.50mA
Over Temperature	100°C ± 10°C shut down o/p voltage, automatically recover after cooling.	
Short Circuit	Shut down o/p voltage, re-power on to recover after fault condition removed	
Over Loading	≤120% Hiccup mode, recovers automatically after fault condition is removed	
Over Voltage	≤140VAC(90-135V) , ≤285VAC(170-277V)	
Working Temperature	-40 ~ +60°C	
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, 2G 10min./1 cycle, period for 60min., each along X,Y,Z axes	
Safety standards	UL8750+UL1310	UL8750+UL1310
Withstand Voltage	I/P-O/P:2.2KVAC	
Isolation resistance	I/P-O/P: 100M±Ω/500VDC/25°C/70%RH	
EMC EMISSION	FCC Part 15 B	
EMC IMMUNITY	Compliance to EN55015; EN61000-4-2,3,4,5,6,8,11, EN61547	
Warranty	7 Years	
Weight	About 1.1Kg	
Dimensions	188x92x26mm (LxWxH)	

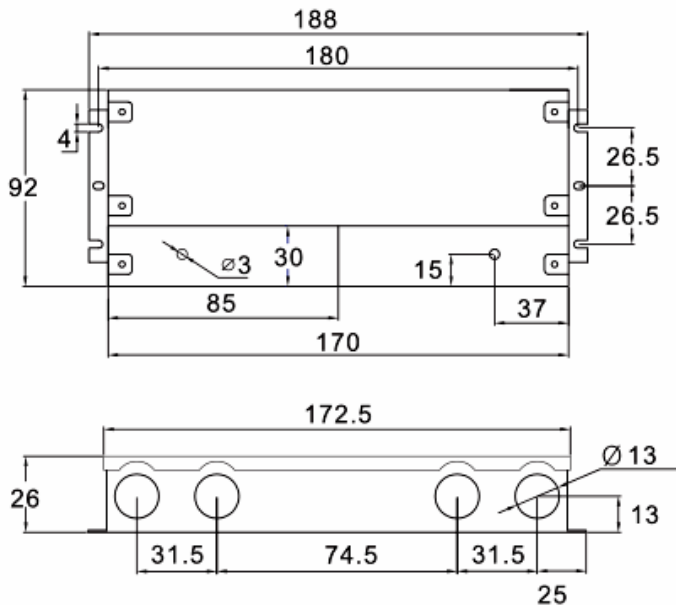
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NOTES

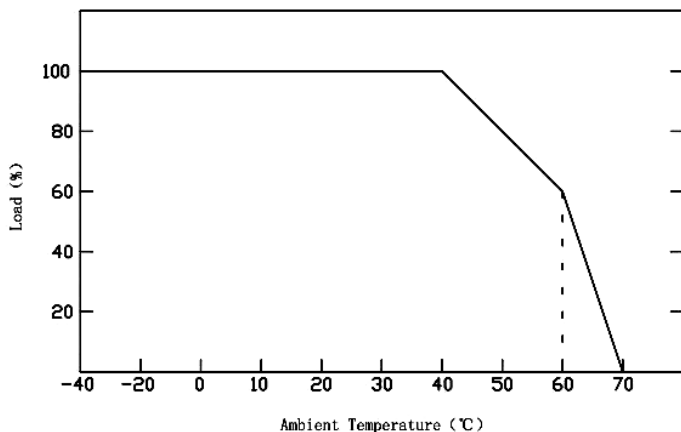
1. All parameters are measured at 110V/277VAC input , rated load and 25°C of ambient temperature
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
3. Tolerance: includes set up tolerance, line regulation and load regulation.

MECHANICAL SPECIFICATIONS



- Input: 18AWG Black and White to be connected to AC L and N, Green wire go ground,
- Output power cord: 16AWG, Red to LED Positive side (+) , Black to LED Negative side (-).

DERATING CURVE

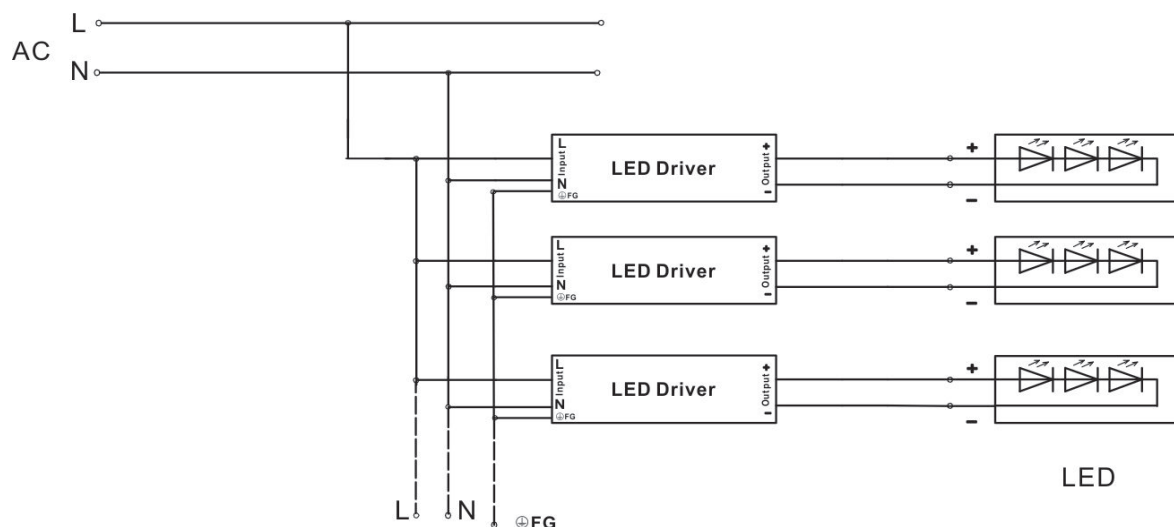


- Load carried in accordance with the load derating curve, according to the ambient temperature derating, in order to extend the running life.

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CONNECTING DIAGRAM



SIMPLE CONNECTION DIAGRAM



INSTRUCTIONS

- 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;
- If the LED drivers does not work properly, contact us by email at info@prismlightinggroup.com, by phone 1-866-620-1380 to get technical support or visit our official Website: www.PrismLightingGroup.com