

300W 110-277VAC Constant Voltage Non-Dimmable LED Driver Class 2 ITEM NUMBER 5015-PSU-300WxxV-JB



FEATURES

- Output: 12Vdc or 24Vdc Constant Voltage
- Input voltage range 100-277VAC
- Built-in PFC function / PF>0.97
- Efficiency >87%
- 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-300W12V-JB	5015-PSU-300W24V-JB
DC Voltage	12V	24V
Voltage Accuracy	±0.5V	± 0.5V
Voltage Regulation	±0.5V	± 0.5V
Rated current	25.0A	12.5A
Load Regulation	± 2%	± 1%
Rated Power	300W	300W
Voltage Range	100-277V AC	100-277V AC
Frequency Range	47~63HZ	47~63HZ
Power Factor (Typ.)	0.99@120V; 0.98@230V; 0.98@277V	0.99@120V;0.98@230V; 0.98@277V
Full Load Efficiency (Typ.)	>88%	>88%
AC Current (Typ.)	3.4A@110VAC / 3.7A@277VAC	
Inrush Current (Typ.)	20A,50% ,1.9ms@120V ;60A,50% 130us@230V ; 35A,50%	
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 is removed	
Over Loading	≤120% constant current limiting, auto-recovery	
Over Current	≤1.4*I out	
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	UL8750
Withstand Voltage	I/P-O/P:3.5KVAC	
Isolation resistance	I/P-O/P: 100M±Ω/500VDC/25°C/70%RH	
EMC EMISSION	Compliance to EN55015,EN61000-3-2 (≥50%load) / FCC Part 15 B	
EMC IMMUNITY	EN61000-4-2,3,4,5,6,11 (Surge about 4KV)	
Warranty	7 Years	
Weight	1.9Kg	
Dimensions	278x108x46mm (LxWxH)	

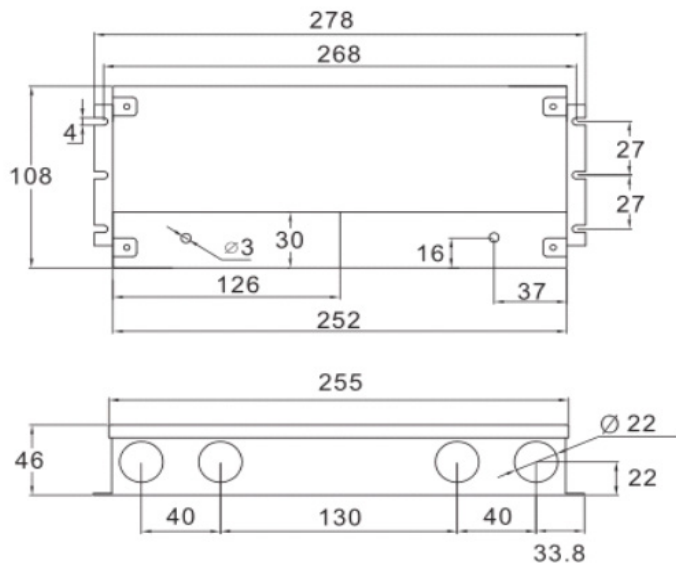
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NOTES

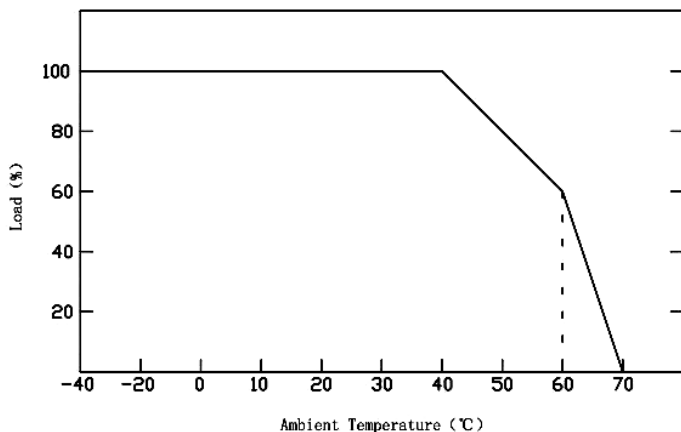
1. All parameters are measured at 120VAC & 277VAC input, rated load and 25°C of ambient temperature
2. Tolerance: includes set us tolerance, line regulation and load regulation.

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

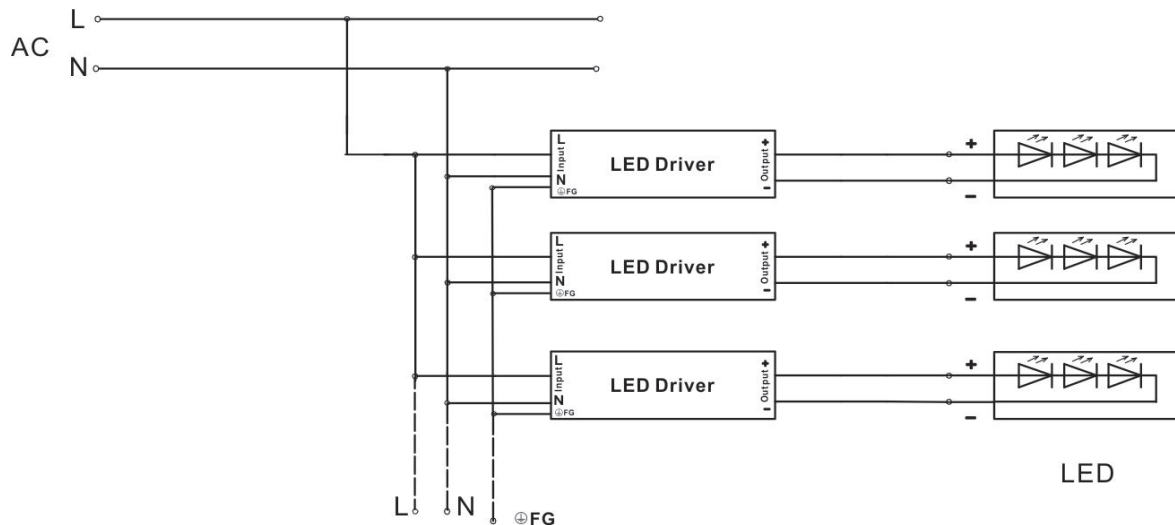


- Load carried in accordance with the load derating curve, according to the ambient temperature derating, in order to extend the running life.

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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