

120W 110-277VAC Constant Voltage Non-Dimmable LED Driver Class 2 ITEM NUMBER 5015-PSU-120WxxV-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-120W12V-JB	5015-PSU-120W24V-JB
DC Voltage	12V	24V
Voltage Accuracy	±0.5V	± 0.5V
Voltage Regulation	±0.5V	± 0.5V
Rated current	10.00A	5.00A
Load Regulation	± 2%	± 2%
Rated Power	120W	120W
Voltage Range	100-277V AC	100-277V AC
Frequency Range	47-63HZ	47-63HZ
Power Factor (Typ.)	0.99@120VAC 0.96@277VAC	0.98@120VAC 0.96@277VAC
Full Load Efficiency (Typ.)	80%@120V 84%@230V 84%@277V	85%@120V 88%@230V 88%@277V
AC Current (Typ.)	1.71A@100VAC	1.71A@100VAC
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 is removed	
Over Loading	≤120% constant current limiting, auto-recovery	
Over Voltage	≤140VAC(100-130V) , ≤270VAC(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, UL1012	UL8750, UL1012
Withstand Voltage	I/P-O/P:3.75KVAC I/P-FG:1.88KVAC O/P-FG:0.5KVAC	
Isolation resistance	I/P-O/P: 100M±Ω/500VDC/25°C/70%RH	
EMC EMISSION	FCC Part 15 B	
EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11,EN61547	
Warranty	7 Years	
Weight	1.3Kg	
Dimensions	329x279x176mm (LxWxH)	

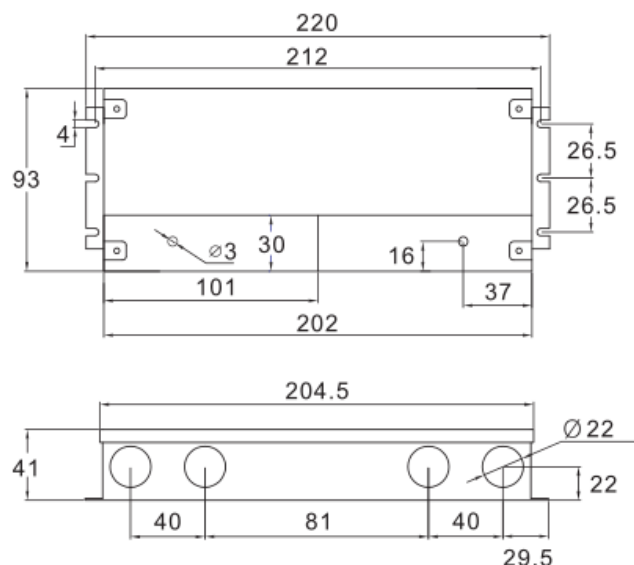
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NOTES

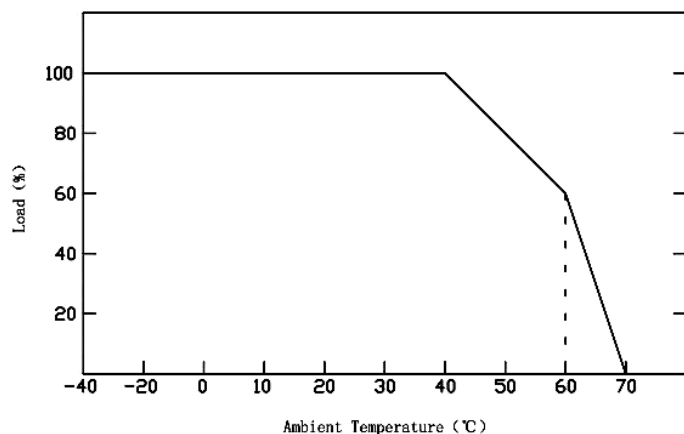
1. All parameters are measured at 120VAC & 277VAC input, rated load and 25°C of ambient temperature
2. Tolerance: includes set us tolerance, line regulation and load regulation.

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

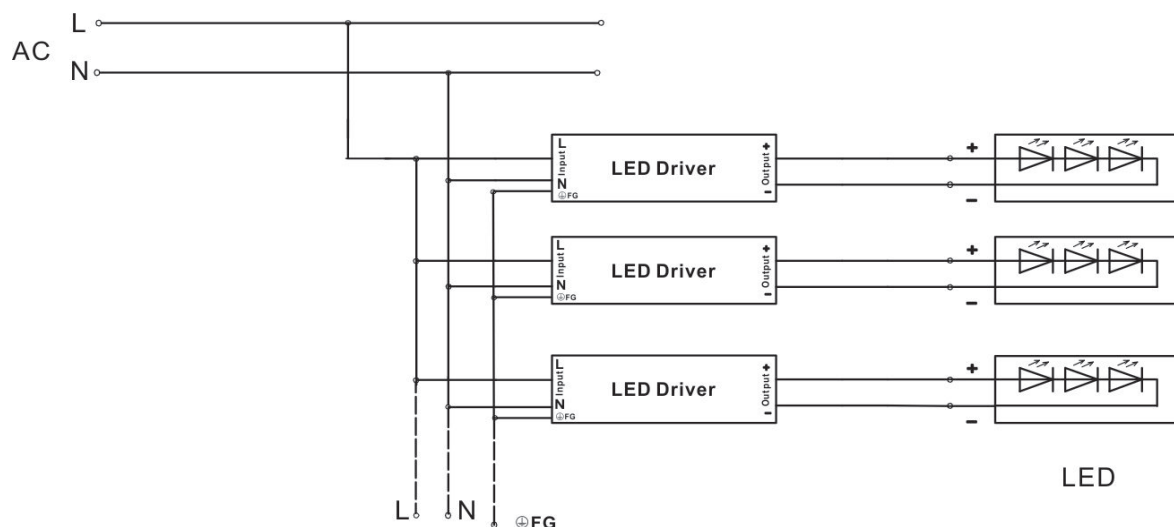


- Load carried in accordance with the load derating curve, according to the ambient temperature derating, in order to extend the running life.

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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