purerena®

PRODUCT DATASHEET

PF 95%

PR-DR100W-24HP-IP67

WATER PROOF LED DRIVER 24V - 100W

IP67 | High Performance Series

PRODUCT DESCRIPTION:

- Moisture Proof, Mildew Proof, and Salt Fog Proof.
- Full Glue-filled Design.
- Adopt Active PFC Circuit.
- PF Value ≥ 0.98.
- 5 Years Warranty.

FC RoHS COMPLIANT CE OVER HEAT PROTECTION SHORT CIRCUIT PROTECTION FLICKER FREE YEARS 5 WARRANTY

PICTURES:

APPLICATION:

Indoor LED flood lights, Magnetic lights, Lightstrips, Automation equipment, LED display.

SPECIFICATIONS:

OUTPUT	
DC Voltage	24V
Rated Current	4.16A
Current Range	0-4.16A
Rated Power	100W
Ripple & Noise (max)	<180mV
Load Stability	±1%
Linear Adjustment Rate	±1%
Dimension	200 x 73 x 34(mm)
Warranty	5 Years

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SPECIFICATIONS:

INTPUT	
Voltage Range	175-265V AC
Frequency Range	50-60Hz
AC Current (Typ.)	1A 115VAC 0.5A 230VAC
Inrush Current	L,N:2KV L,N-PE:2.2KV
Incoming Line Stability	±0.5%
Power Factor (Typ.)	PF≥0.98/115VAC PF≥0.95/230VAC
Efficiency (Typ.)	>89.5%

PROTECTION	
Short Circuit	Hiccup mode, it can recover automatically after abnormal conditions are removed.
Over Current	Greater than 105% of the rated output current, circuit protection, when the abnormality is resolved, the circuit returns to normal
Over Current	After the over current fault is removed, the power supply will automatically resume normal operation.

ENVIROMENT, SAFETY & EMC	
Working temp.	-20 ~ +60°C
Working Humidity	20%~90%RH
Storage temp / Humidity	-40°C ~ +85°C / 10%~95%RH
Pressure Resistance	Between input and output: AC2.5KV 5mA 60S Between input and shell: AC1.5KV 5mA 60S
Insulation esistance	Between input and output: 100M ohms/500VDC/25°C

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OTHER INFORMATION:

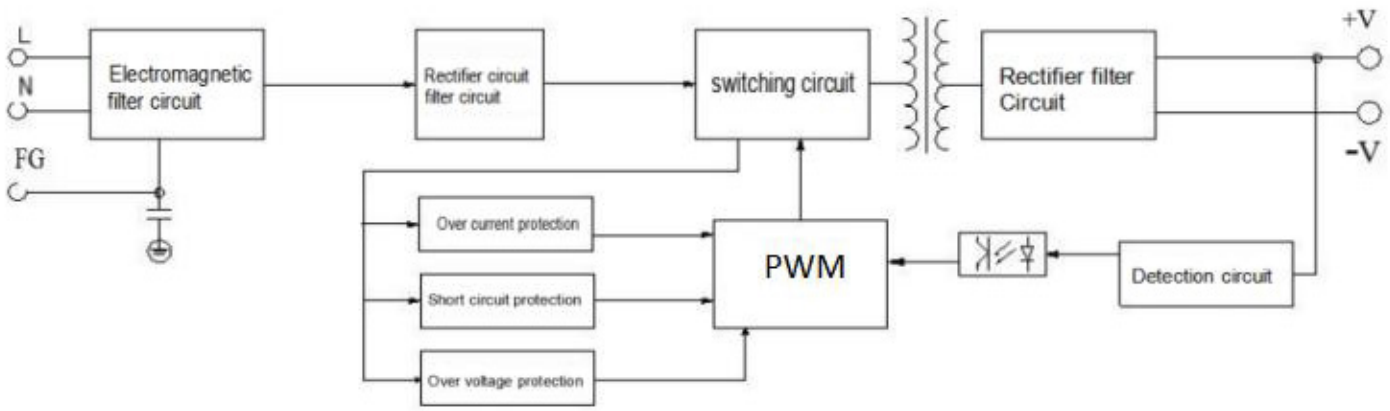
1.Maintaining a good ventilation environment is conducive to heat dissipation of the power supply and is crucial to extending the life of the power supply.

2.The connecting wire between the power output and the load should follow the short wiring principle. A connecting wire that is too long or has a core that is too small will cause problems on the line. Voltage drop and loss in connecting wires are converted into heat and can easily cause safety hazards. (Connecting wires should follow: 1mm^2 allows 6A current to pass).

3. Overpower or load short circuit will cause automatic protection of the power supply, causing the power supply to fail to work normally.

4. When wiring, you must strictly follow the principles of safe electricity use, and pay attention to distinguish the input and output terminals and terminal wiring polarity to avoid damaging the product by connecting wrong wires.

BLOCK DIAGRAM:



LOAD DERATING CURVE GRAPH: