purerena®

PRODUCT DATASHEET

PR-DR100W-24-CL

LED DRIVER 24V - 100W

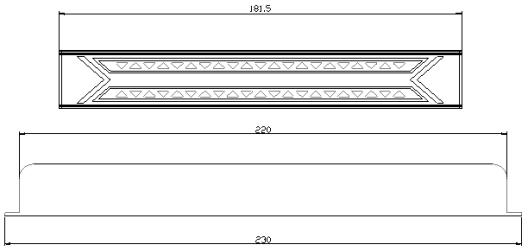
PRODUCT DESCRIPTION:

- Aluminum alloy shell, half-filled with glue.
- Natural air cooling and heat dissipation.
- Slender strip design, width 26mm and height 24mm.
- 100% full load burn-in test and Quick push terminal block.
- Supports slow start gradually brightening + percentage dial dimming function
- 3 years warranty.

FC RoHS COMPLIANT CE OVER HEAT PROTECTION SHORT CIRCUIT PROTECTION FLICKER FREE IP20 YEARS 3 WARRANTY

PICTURES:

PRODUCT SIZE:



SPECIFICATIONS:

OUTPUT	
DC Voltage	24V±5%
Rated Current	4.1A
Current Range	0-4.1 A
DC Output Power	100W
Ripple & Noise (max)	<150mV
Load Stability	3%
Linear Adjustment Rate	1%
INTPUT	
Voltage Range	175-250V AC
Frequency Range	50-60Hz
AC Current (Typ.)	1A 230V

purerena®

PRODUCT DATASHEET

PR-DR100W-24-CL

LED DRIVER 24V - 100W

SPECIFICATIONS:

Inrush Current	Cold start ≤40A 230VAC
Incoming Line Stability	±0.5%
Power Factor (Typ.)	PF>0.6
Efficiency (Typ.)	>89%
PROTECTION	
Short Circuit	Hiccup mode, it can recover automatically after abnormal conditions are removed.
Over Current	Greater than 100% of the rated output current, circuit protection, when the abnormality is resolved, the circuit returns to normal.
Over Voltage	Greater than 110% of the rated output voltage, circuit protection, the output voltage will automatically cut off.
ENVIROMENT	
Working temp.	-20 ~ +45°C 20% ~ 90%RH
Working Humidity	-20 ~ +45°C 20% ~ 90%RH
Storage temp., humidity	-40 ~ +85°C 20% ~ 95%RH
SAFETY, EMC, and Other information	
Pressure Resistance	Input to output: AC1.5KV 5mA 60S / Input to shell: AC1.5KV 5mA 60S
Insulation Resistance	Between input and output: 100M ohms/500VDC/25°C
Dimension	230 x 26 x 24mm
IP Rating	IP20
Warranty	3 Years

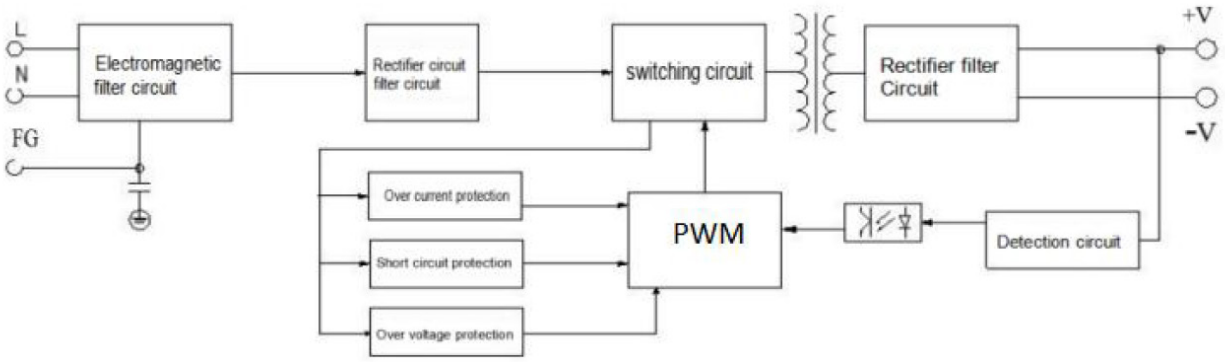
purerena®

PRODUCT DATASHEET

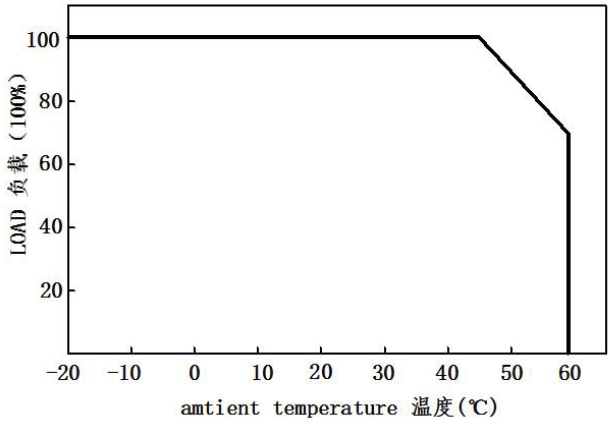
PR-DR100W-24-CL

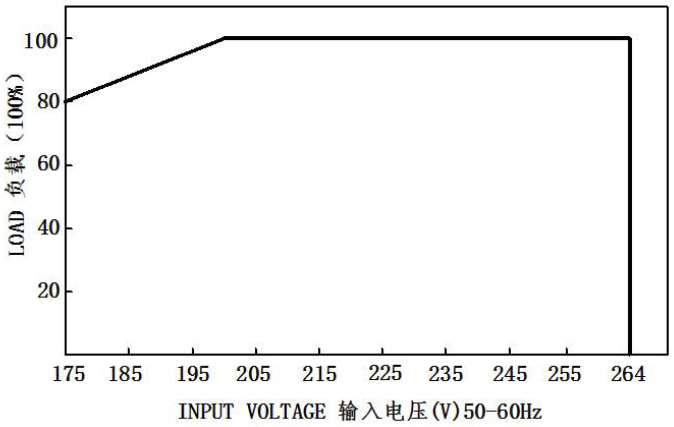
LED DRIVER 24V - 100W

BLOCK DIAGRAM:



LOAD DERATING CURVE GRAPH:





IMPORTANT NOTES:

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.