

100W LED用電源(12V定電圧、防水型)

100W Series

Part Number: 100W-12-OD
 Driving mode: Constant Voltage with safety isolation
 Technology: Single-Stage PFC & PSR technology
 Output Power: 100 Watt
 Input voltages: 100 to 240 VAC (Maximum : 90-240 VAC)
 Efficiency: Up to 82%
 Suitable: For LED lamp driver
 Warranty: 5 years



Special Features

1. UL1310, J61347-1(H20), J61347-2-13(H21) safety compliant
2. FCC, J55015 (H20) compliant
3. Meet the RoHS directive, Rain-proof level IPX3
4. Suitable for high-temperature, high-dust location
5. Suitable for indoor or outdoor applications
6. Suitable in standard electrical junction boxes
7. Single 12V output
8. Active PFC reduces power consumption
9. Isolation between primary and secondary

Environmental

1. Operating temperature: -30 to +60°C
2. Storage temperature range: -40 to +85°C
3. Humidity (non-condensing): 20% - 90%RH
4. Cooling: Free air cooling Convection
5. Vibration Frequency: 5-55Hz/2g, 30 minutes; Impact resistance: 1g/s
6. MTBF @ 40°C: 450,000 hours @ Full Load per MIL-217F Notice 2
7. Life Time @ 25°C: 130,000 hours @ Full Load

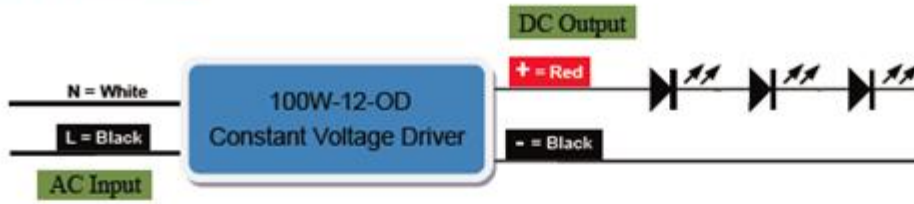
Electrical Specifications

- Input voltage range: 100 to 240 VAC (Maximum voltage range: 90-240 VAC)
- Frequency: 47- 63HZ
- Power Factor: > 92% at full load, Total harmonic distortion(THD): <20% more than 80% load
- Inrush current: < 50A at 25°C, 230V, cold start
- Input current: 1.40A at 120V
- Efficiency: 82% (typical) at full load, 120V
- Maximum output power: 100W, Output Voltage: 12V, Current range from 0.84A to 8.4A
- Constant Voltage regulation: ±5% Over Input Line Variation
- Load regulation accuracy: ±5%
- Start-up time: <1 s, Output overshoot: <5%
- Leakage current: 300uA (typical)
- Output over-voltage protection function
- Output over-current protection function
- Output short circuit protection: auto-recovery

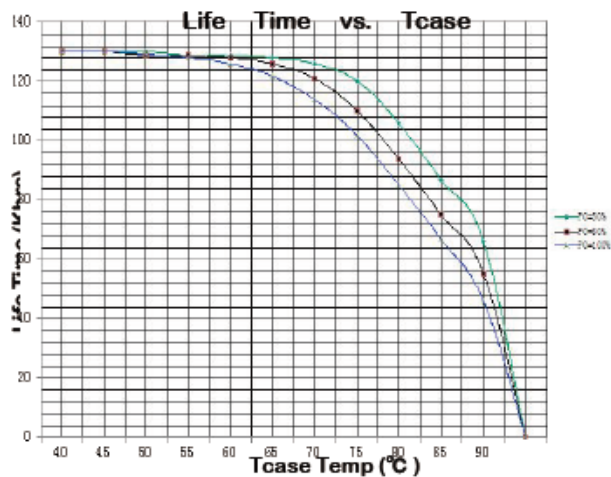
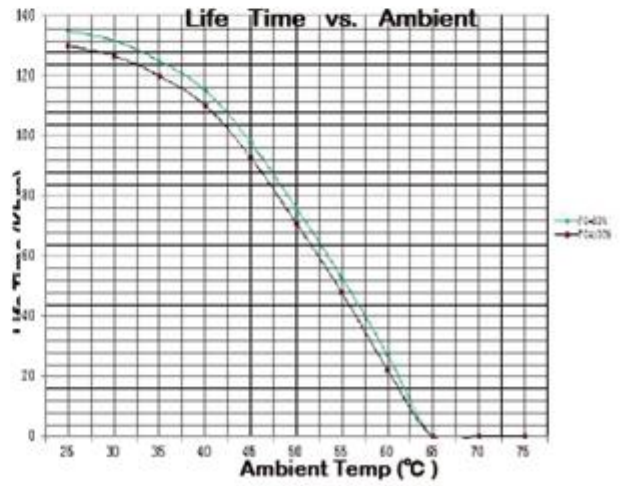
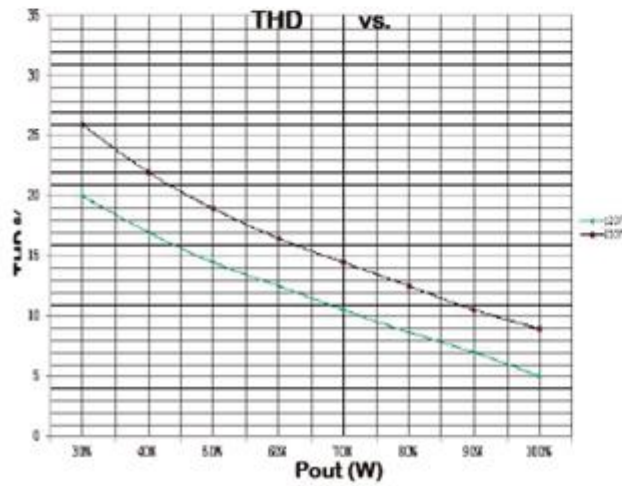
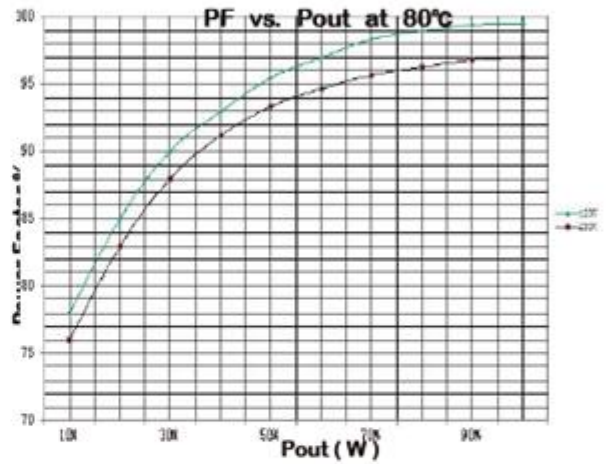
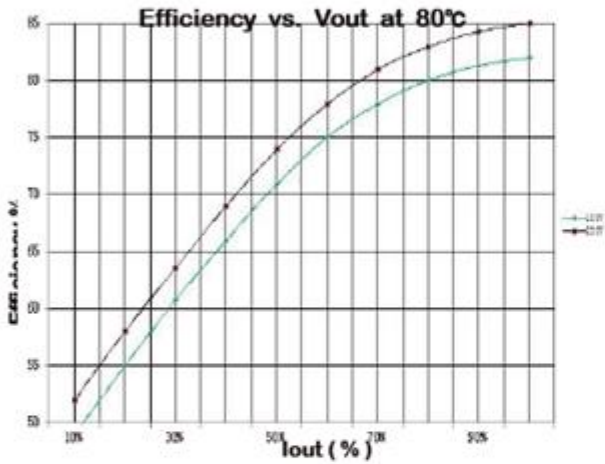
Enclosure			
Size	Unit	Inch	Millimeter
Case Length		8.62	219.00
Case Width		3.30	84.00
Case Height		2.16	55.00



Typical Applications



LED Forward voltage: $V_F = 3.0V \sim 3.5V$, LED Forward current $I_F = 8400 \text{ mA}$



Installation

Aluminium shell;

Used with thermal conductivity and flame retardant glue potting;

AC input for connection the two core 2PNCT / JET0210-11012-1017 / 1.5mm² / 600V / 105°C core copper wire;

Cable Length: 300mm Stripping on the tin: 10mm

Where: L — Black wire, N — White wire;

DC output for connection the two core 2PNCT / JET0210-11012-1017 / 2.0mm² / 600V / 105°C core copper wire;

Cable Length: 300mm Stripping on the tin: 10mm

Including: DC+ — Red wire, DC- — Black wire;

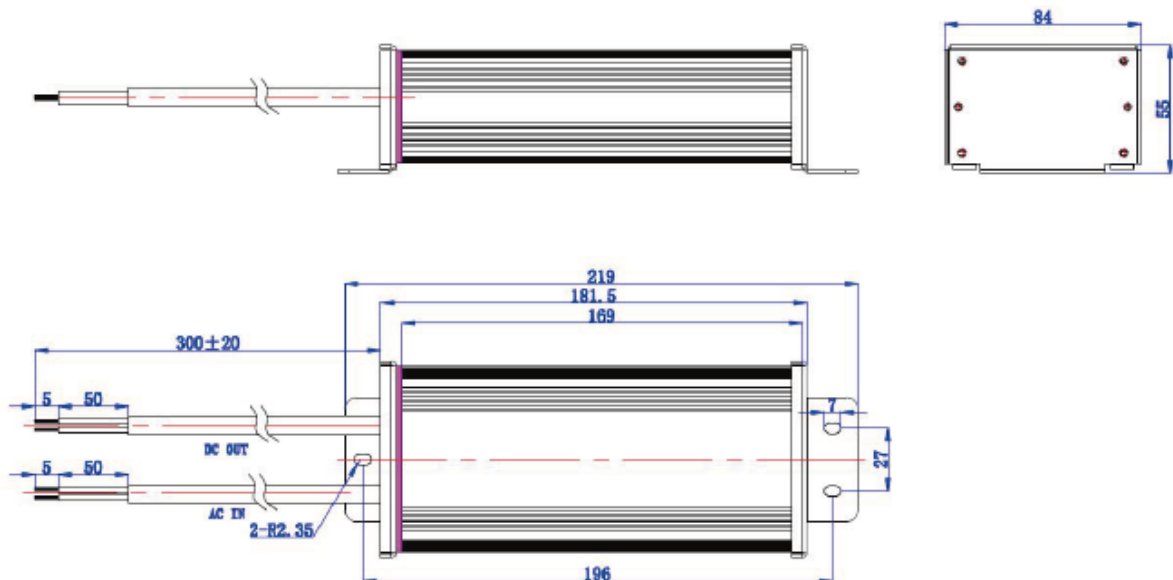
This product has three 2-RΦ2.35mm mounting holes for the positioning of the products used to install.

Order ID

P/N: 100W-12-OD

Description: 100W, 12Vdc Voltage, Current 8400mA max, Constant Voltage mode, Rain-proof IPX3.

Product size



Note: may set your favorite parameter, but make sure the power is under limit.