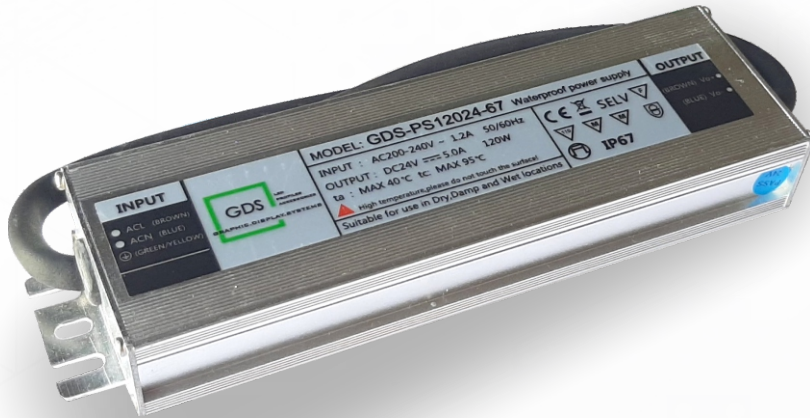




Brief Information

120W

Waterproof Power Supply

Constant voltage design

Model GDS-PS12024-67

Input AC 200~240V

Output 24VDC @ 5A 120W

DESCRIPTION:

THIS SPECIFICATION IS ADAPTED TO THE GDS-PS12024-67 MODELS OF SWITCHING POWER SUPPLY.

PRODUCT CHARACTERISTICS

- Single-voltage AC input.
- Small in size : 163 x 52.5 x 24.5mm.
- Protection type: short circuit, overload, overpower.
- Natural air cooling.
- High efficiency, high efficiency of up to 87%.
- Perfect waterproof design.

INPUT CHARACTERISTICS

- Input Voltage Range : 200Vac~240Vac
- Power Frequency Range : 47~63Hz.
- Maximum Input Current: 1.2Amps max.
- Power Factor : ≥ 0.45 .
- Full Load Efficiency : $\geq 85\%$ 230VAC
- Input Shock Current (Cold Start) : Less than 90A, Cold Start.
- Leakage Current : $< 3.5\text{mA}/240\text{Vac}$

OUTPUT CHARACTERISTICS

- Output Voltage : 24V
- Output Voltage Error Range : $\pm 4\%$ | 23V~25V.
- Output : 5.0A max.
- Maximum output : 200W.
- Tattoo and Noise: 360mVp-p max.
- Power Supply Adjustment Rate : $\pm 1\%$.
- Load Regulation : $\pm 2\%$
- Boot Delay Time : $\leq 3S/230Vac$ full load
- Output Climb Time : 0.1~100mS/230Vac@full load
- Output Hold Time : $\geq 10mS/230Vac@80\%$ of full load

PROTECT CHARACTERISTIC HIGH-HANDED

- **OVERLOAD PROTECTION** : The output is over power protection mode and the output current is greater than 6A when the voltage drops 0
- **SHORT CIRCUIT PROTECTION** : Protection mode: burcup mode, automatically restored after short circuit conditions removed
- **OVER TEMPERATURE PROTECTION** : Too high temperature, reduce the output voltage.

TEST

- **High-voltage Insulation Test** : Input-Output:1500Vac or 2121Vdc
Input-FG:1500Vac or 2121Vdc
Output-FG: 500Vac or 707Vdc
Leakage Current $\leq 5mA$ MAX

OUTPUT

- **Output Indication** : NC

SIGNAL

- If not specifically specified, so the specification parameters are tested in the input of 230VAC, rated load, 25 degree environment.
- Wave and noise test method: the output terminal shall be connected in parallel with 0.1uF and 47uF capacitance and tested at 20MHZ width

ENVIRONMENT REQUIREMENTS

Cooling Mode cooling mode.	Natural Cooling.
Working Humidity working humidity requirements.	20~90% non-condensing.
Storage Temp. and Humidity / Storage temperature and humidity requirements.	-30~85°C, 10~95%RH.
Vibration specifications.	10~500Hz, 5G 10min./cycle, 60min.each along X,Y,Z axis

MACH. OUTLINE DRAWING UNIT:MM

Note :

- This is top view, the screw should be M3, the length fixed into PSU must less than 3.5mm, or it should cause the PSU damage even cause the danger.
- The PSU should mounting directly on the metal case to get the good cooling, 80% load is recommended without case cooling.

