



Brief Information

400W

Waterproof Power Supply
Constant voltage design
Model GDS-PS40012-68
Input 200~240Vac
Output 12VDC±0.5VDC

IP68

PRODUCT CHARACTERISTICS

LED Waterproof Power Supply 400W (C&V)

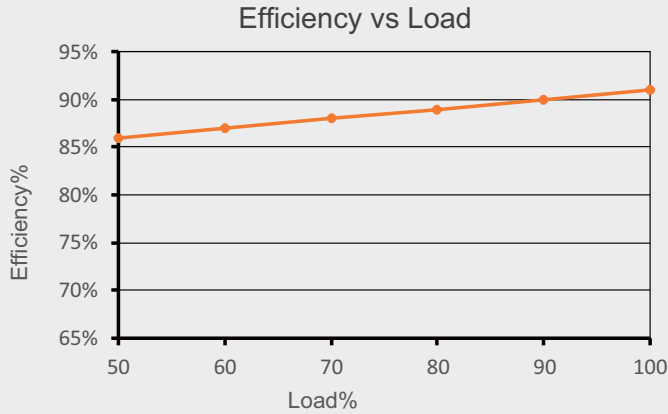
1. Protections: short circuit/over load/over voltage/over temperature
2. IP68 design for indoor or outdoor installation
3. It can be used in dry, wet and rainy environment. Cooling by free air, high reliability
4. 100% full load burn-in test
5. Suitable for internal lights application for I / II / III. Widely used in LED lighting and IT equipment
6. IS 15885(Part2/Sec13)
7. Compliance to worldwide safety regulation for LED lightings.

FEATURES

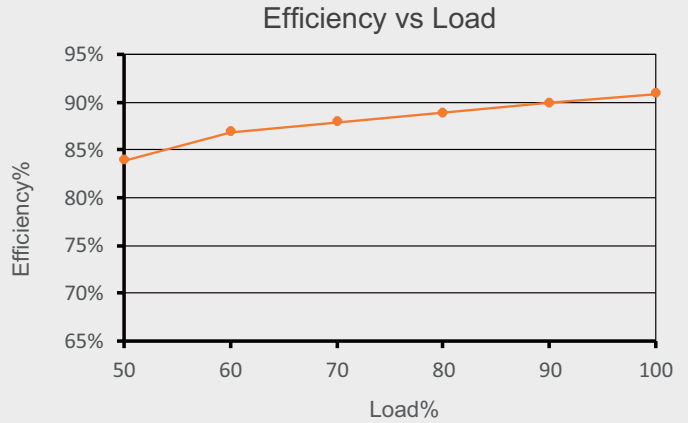
MODEL	LED POWER SUPPLY	GDS-PS40012-IP68	GDS-PS40024-IP68
OUTPUT	Output voltage	12V DC	24V DC
	Output voltage range	12VDC±0.5VDC	24VDC±0.5VDC
	Output Current	Max 33.4A	Max 16.7A
	Output power	Max 400W	
	Output power range	0~400W	
	Ripple & Noise	≤120mV	≤240mV
	Linear Regulation	±1%	
	Load Regulation	±1%	
	Start-up Time (Typ)	500ms/230VAC	
	Hold Up Time(Typ)	100ms/230VAC	

INPUT	Input voltage	200-240Vac	
	Frequency	50/60Hz	
	Input current	3.3A/230Vac	
	Power factor	PF>0.6	
	No-load power consumption	< 3W	
	Efficiency (typ.)	90%	90%
	Inrush current(typ.)	Cold start 55A at 230Vac	
	Control surge capability	L,N:2KV L,N-PE:4KV	
	Leakage current	Max. 0.5mA	
ENVIRONMENT	Working temperature	ta: -30°C~ 50°C tc: 80°C	
	Working humidity	20 ~ 99%RH, condensing (Waterproof)	
	Storage temp., humidity	-40°C ~ 80°C, 10~95%RH	
PROTECTION	Overtemperature	Protection type: Turn off the output voltage, after the temperature drops, re-energize to restore.	
	Over load protection	Shut down the output when current load above 110%~150%, auto recovers.	
	Short circuit protection	Protection type: It can be automatically restored after the fault is eliminated.	
SAFETY&EMC	Withstand voltage	I/P-O/P:3750Vac	
	Isolation resistance	I/P-O/P: 100MΩ/500VDC/25°C/70%RH	
	Safety standards	IEC/EN61347;IEC/EN60950;IP67	
	EMC Test Standards	EN55015: 2013;EN61547: 2009; EN61000-3-2:2014; EN61000-3-3:2013	
Reliabilityand Quality Control	Impact aging	100% of the product is fully loaded and impacted for 4 hours under an environment of at least 40 °C±5°C	
	Component derating	Under the steady-state conditions of rated input and output, the stress of components will not exceed its maximum nominal value	
NOTE	1.All parameters not specifically mentioned are measured at 230VAC input, rated load and 25°C ambient temperature. 2.Ripple and noise test method: connect 0.1uF and 47uF capacitors in parallel at the terminal, and measure under 20MHZ bandwidth. 3.Ensure that the power supply is used under the rated parameters and environment.		

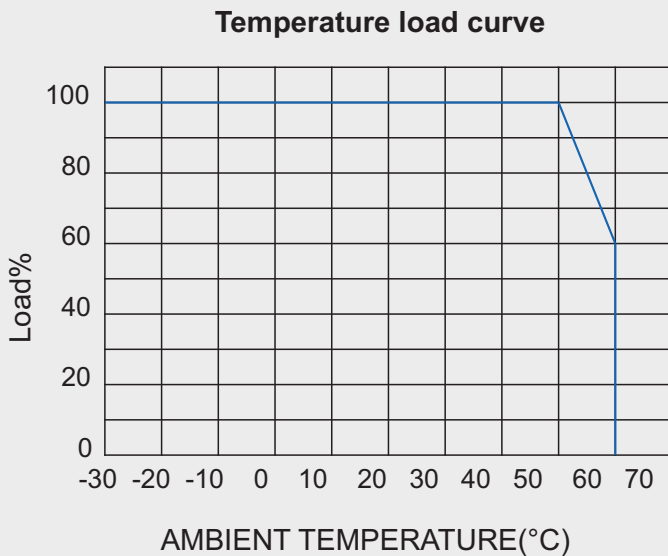
ENVIRONMENT REQUIREMENTS



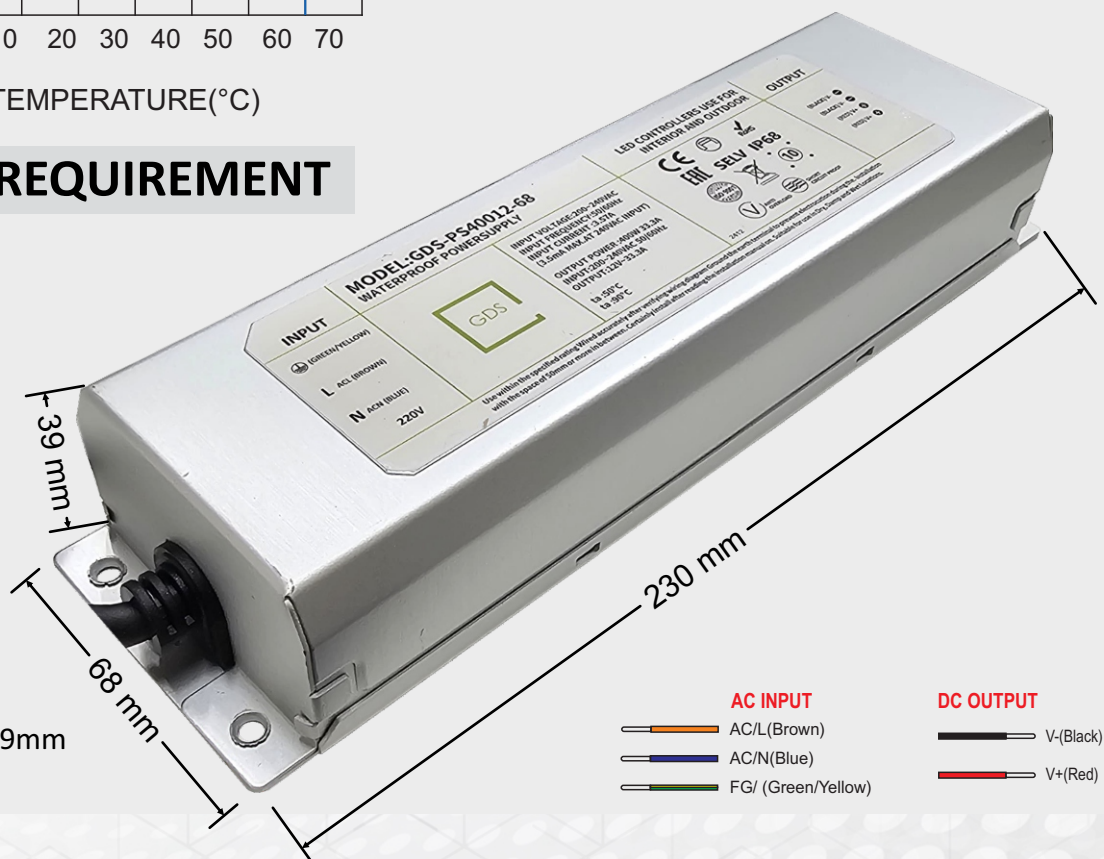
GDS-PS40012-IP68



GDS-PS40024-IP68



MECHANICAL REQUIREMENT



- Size: 230mm*68mm*39mm
- Weight: 980g±10g