



HLG – 1000W Single output waterproof power supply

Summary

- > Single output: power 1000W
- > Input voltage: 100 ~ 264VAC/135 ~ 373VDC
- > Power factor PF>0.96/230VAC When fully loaded

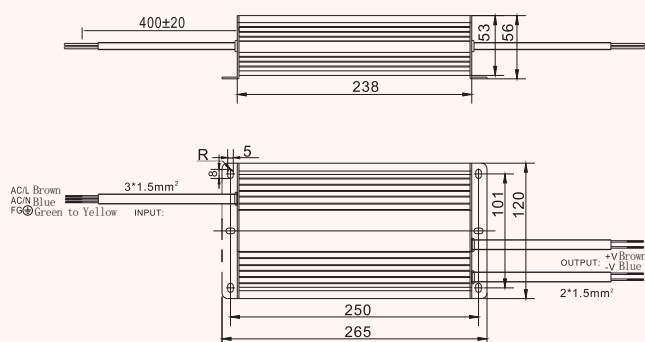


265 × 120 × 56mm

General Specification

Specification	Model	HLG – 1000 – 12	HLG – 1000 – 24	HLG – 1000 – 36	HLG – 1000 – 48
DC output voltage, current		12V 0 ~ 60A	24V 0 ~ 41A	36V 0 ~ 27.5A	48V 0 ~ 20.5A
Wave and noise		180mVp-p	200mVp-p	220mVp-p	250mVp-p
Inlet wire stability		± 0.5%	± 0.5%	± 0.5%	± 0.5%
Load stability		± 2%	± 0.5%	± 0.5%	± 0.5%
Efficiency		92.8%	94%	94.5%	95%
Adjustable range for DC voltage		± 3%	± 2%	± 2%	± 2%
Input voltage range		100 ~ 264VAC /135 ~ 373V DC 47 ~ 63Hz			
Power factor		PF>0.96/230VAC When fully loaded			
AC input current		12A/110VAC, 5.5A/230VAC When fully loaded			
Impact current		Cold start current 45A/230VAC			
Overload protection		Overcurrent limiting starts at 95%~108% of the rated output current and automatically recovers after the abnormal condition is removed			
Overvoltage protection		Overvoltage protection is activated when the rated output voltage reaches 115%~135%. Protection mode: interrupt mode. Normal output will be restored automatically after the abnormal condition is removed.			
Short circuit protection		Protection mode: Isolation mode, normal output can be automatically restored after abnormal conditions are removed.			
Overtemperature protection		100°C+10°C (JK1 is tested next to the transformer/on the surface of the MOS tube) Protection mode: shut down the output voltage, and the output will automatically resume normal operation after the temperature drops.			
Setup, rise, hold up time		500ms, 30ms 20ms/230VAC When fully loaded			
Withstand voltage		Input and output (I/P~O/P): 3KVAC Input and ground (I/P~FG): 3KVAC Output and ground (O/P~FG): 0.5KVAC			
Insulation resistance		Between input and output (I/P~O/P), input and ground (I/P~FG), output and ground (O/P~FG): 100M Ohms/500VDC/25°C/70%RH			
Operating temperature/humidity		-30°C ~ +70°C 20%~90%RH, non-condensing			
Dimension		265 × 120 × 56mm			
Weight		2.1kg			
Packing		9pcs/19.8kg/0.026m ³			

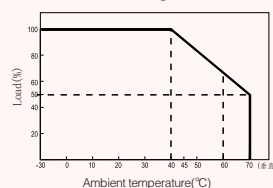
Overall dimension(mm)



Pinout Chart

Input (black, three-wire)	Output (black, two-wire)
Brown AC/L	Brown DC OUTPUT +V
Blue AC/N	Blue DC OUTPUT -V
Green to Yellow Ⓧ Ground	

Load derating curve



Static characteristic curve

