

Full function adjustable waterproof power supply 100W

- Universal AC input
- Built-in power factor correction
- Protections: short circuit/over load/over voltage/over temp
- Cooling by free air convection
- OCP point adjustable through output cable or internal potentiometer
- IP67/65 design for indoor or outdoor installations
- Suitable for LED lighting and moving sign applications
- 3Year warranty



HLG-100W

Model		HLG-100-12	HLG-100-20	HLG-100-24	HLG-100-36	HLG-100-48
OUTPUT	DC voltage	12V	20V	24V	36V	48V
	Constant current	6~12V	10~20V	12~24V	18~36V	24~48V
	Rated current	5A	4.8A	4A	2.65A	2A
	Rated power	60W	96W	96W	95.4W	96W
	Ripple&noise	150mvp-p	150mvp-p	150mvp-p	200mvp-p	200mvp-p
	Voltage ADJ range	10.8~13V	17~22V	22~27V	33~40V	43~53V
	Current ADJ range	Can be adjusted by internal potentiometer or through output cable				
	3~5A	3~4.8A	2.5~4A	1.7~2.65A	1.2~2A	
INPUT	Voltage range	90~264VAC, 47~63Hz, 127~370VDC				
	AC current	1.2A/115VAC, 0.55A/230VAC				
	Power factor	PF>0.95/230VAC, PF>0.98/115VAC Start overload protection				
	Efficiency	90%	93%	93%	93%	93%
	Inrush current	Cold start current 35A/115VAC, 75A/230VAC				
	Leakage current	< 0.75mA/240VAC				
PROTECTION	Over current	95%~108%				
		protection type: Constant current limiting, auto-recovery after fault condition is removed				
	Short circuit	Hiccup mode, recovers automatically after fault condition is removed				
	Over voltage	14~17V	23~27V	28~34V	41~46V	54~60V
		protection type: Shut down o/p voltage re-power on to recover				
Over temperature	100°C±10°C (RTH2)					
	protection type: Shut down o/p voltage re-power on to recover					
ENVIRONMENT	Working	-20°C~+60°C, 20%~90%RH				
	Storage temp, humidit	-40°C~+85°C, 10%~95%RH non-condensing				
	Withstand vibration	10~500Hz, 2G 10min/1cycle, period for 60 minutes, each axes				
SAFETY	Withstand voltage	I/P-O/P: 3KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC				
	Isolated resistance	I/P-O/P, I/P-FG, O/P-FG: 100M ohms/500VDC				
FITSTANDARD	Safety standard	Fit UL1310 CLASS2, TUV EN61347-1, EN61347-2-13, IP65 approved				
	EMC standard	Fit EN55015, EN61000-3-2 ClassC(>60% load): EN61000-3-3				
OTHERS	Dimension	223*69*39mm (L*W*H)				
	Weight/packing	1kg/20pcs/21kg/0.03m³/1.07CUFT				
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.					
	2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.					
	3. Tolerance : includes set up tolerance, line regulation and load regulation.					