

HLG-240 Series

240W Single Output LED Lighting PSU



FEATURES

- Universal AC input / full range
- Short circuit / Overload / Over-voltage / Over-temperature protections
- Built-in active PFC function
- IP67 design for indoor or outdoor installations
- UL1310 Class 2 power unit
- Cooling by free air convection
- 100% full load burn-in test
- High reliability
- Suitable for LED lighting and moving sign applications
- 12,15,20,24,30,36,42,48,54 V versions available

ENVIRONMENTAL

Operating Temp: -30 to +70°C (with de-rating)

Storage Temp: -40 to +80°C

SAFETY / EMC

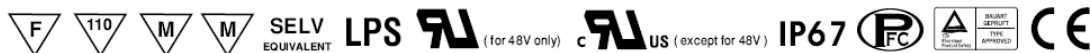
UL1310 Class 2
EN60950-1
CAN/CSA C22.2 No. 223-M91 (except 48V)
EN61347-1, EN61347-2-13
IP67 approved

EN55015
EN55022 (CISPR22) Class B
EN61000-3-2,-3
EN61000-4-2, 3, 4, 5, 6, 8, 11
ENV50204
EN55024
EN61547
Light industry level, criteria A

ELECTRICAL SPECIFICATIONS

Model No.	HLG-240-XX			
XX	12	15	20	24
AC Input	90-264VAC, Single Phase, 47-63Hz			
Power Factor	PF>0.95/230Vac		PF>0.98/115Vac at full load	
DC Output				
Voltage	12V	15V	20V	24V
Current (5)	8-16A	7.5-15A	6-12A	5-10A
Rated Power (5)	192W	225W	240W	240W
Ripple & noise (p-p) (2)	150mV	150mV	150mV	150mV
Voltage Tolerance (3)	±2.5%	±2.0%	±1.0%	±1.0%
Line Regulation	±0.5%	±0.5%	±0.5%	±0.5%
Load Regulation	±2.0%	±1.5%	±1.0%	±0.5%
		95-108%		
Overload Current	Constant I limiting. Recovers automatically when fault removed.			
	13-16V	16.-19.5V	22-26V	26-33V
Over Voltage	Shut down output voltage. Re-power on to recover.			
Over Temperature	Shut down output voltage. Re-power on to recover.			
Dimensions	244(L) x 68(W) x 39(H)mm			
Weight	1.3Kg			

- Notes:**
1. All parameters *NOT* specially mentioned are measured at 230VAC input, rated load and 25°C ambient temperature.
 2. Ripple and noise are measured at 20MHz bandwidth by using a 12" twisted pair wire terminated with a 0.1µF and 47µF parallel capacitor.
 3. Tolerance includes set up tolerance, line and load regulation.
 4. De-rating may be needed under low input voltage conditions. Consult sales for more details.
 5. This is the maximum possible output current and power, overload protection may be activated slightly below this level to comply with the requirement of UL1310 Class 2.



Specifications subject to change without notice

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HLG-240 Series

240W Single Output

Model No.	HLG-240-XX			
XX	30	36	42	48
AC Input	90-264VAC, Single Phase, 47-63Hz			
Power Factor	PF>0.95/230Vac	PF>0.98/115Vac at full load		
DC Output				
Voltage	30V	36V	42V	48V
Current (5)	8-16A	7.5-15A	6-12A	5-10A
Rated Power (5)	240W	240W	240W	240W
Ripple & noise (p-p) (2)	200mV	250mV	250mV	250mV
Voltage Tolerance (3)	±1.0%	±1.0%	±1.0%	±1.0%
Line Regulation	±0.5%	±0.5%	±0.5%	±0.5%
Load Regulation	±.5%	±.5%	±.5%	±0.5%
Overload Current	95-108%			
	Constant I limiting. Recovers	automatically		
	when fault removed.			
	32-36V	40-48V	22-26V	246-50V
Over Voltage	Shut down output voltage. Re-power on to recover.			
Over Temperature	Shut down output voltage. Re-power on to recover.			
Dimensions	244(L) x 68(W) x 39(H)mm			
Weight	1.3Kg			

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