

Non water proof series

250W12V Constant Voltage LED Power Supply

Picture



Features:

1. 105 centigrade output capacitor
2. AC input power suitable for the world
3. High efficiency and low operation temperature
4. Soft-start current can reduce the AC input impact effectively
5. With short-circuit and overload protection
6. Compact size, light weight
7. 100% full load burn-in test
8. Ideal for indoor or outdoor installations
9. Suitable for LED lighting and moving sign applications

Specifications:			
Output Specifications			
Item	HTC-12V250W		
Output voltage	12V±0.5%	Rated Current	20.8A
Rated Power	250W	Current Range	0-20.8A
Voltage Tolerance	±0.1%	Ripple and Noise(max)Note.2	120mVp-p
Load Regulation	±0.5%	Line Regulation	±0.5%
Hold up time(Typ.)	50ms/230VAC 16ms/115VAC at full load	Efficiency	>80%
Input Specifications			
Voltage Range	170-264VAC	Frequency Range	47~63Hz
Setup,Rise time note.6	500ms 20ms/230VAC 500ms20ms/115VAC at full load(for 11.6~12.4V);500ms 20ms/230VAC 500ms20ms/115VAC at full load(for 11.6~12.4V)		
AC Current	2.86A/175V 2.2A/230V		
Inrush Current (max.)	Cold star 4.2A/115V 2.1A/230V		
Leakage Current	0.5mA/250VAC		
Protection			
Over Current	105 ~ 150% rated output power		
	Protection type: Hiccup mode, recovers automatically after fault condition is removed		
Over Voltage	13.8~16.2V 27.6~32.4V		
	Protection type: Shut down o/p voltage, re-power on to recover.		
Short Circuit	Auto Recover		
Protection grade	IP20		
Environment			
Working Temp	-25~40°C Refer to output load derating curv	Working Humidity	20~95% RH-no condensation
Storage Temp/ Humidity	-40~+80°C, 10~95% RH	Temp.Coefficient	±0.03%/°C(0~50°C)
Vibration Frequency	10~500Hz, 2G 10min./1 cycle, period for 60min. each long X, Y, Z axes.		
Reference Standards			
Safety Standard	UL60950 879 1310 Class 2, CAN/CSA C22.2 No.222-M91, IP67 approved, Design refer to TUV EN61347-2-13		
Withstand Voltage	I/P-O/P:3KVAC		
Isolation Resistance	I/P-O/P:>100M Ohms / 500VDC / 25°C / 70% RH		
EMI Condition and Radiation	Compliance to EN55022(CISPR22)Class B		
Harmonic Current	Compliance to EN61000-3-2,-3		
EMC Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, light industry level, criteria A		
Others			
MTBF	732Khrs min. MIL-HDBK-217F (25°C)		
Housing	Aluminum		
Cooling	Convection and Fan		
Product Dimension	224*71*40mm		
Product Weight	0.65kg		
Packing	1 PC in a box, 30 boxes in a Carton		