

## Non water proof series

### 150W12V 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-12V150W			
Output voltage	12V±0.5%	Rated Current	12.5A	
Rated Power	150W	Current Range	0-12.5A	
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	100-264VAC	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	2.61A/115V 1.31A/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 curve	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		
Product Dimension	200*58*38mm		
Product Weight	0.39kg		
Packing	1 PC in a box, 40 boxes in a Carton		