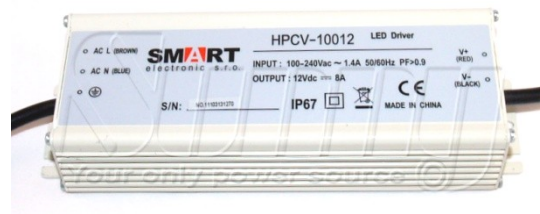


RoHS



Operating Temperature : -10 ~ +50 [°C]  
 Dimension : 211 x 69.8 x 30 [mm]  
 Built-in : Active PFC  
 LED Driver : Constant Voltage  
 Approvals / Marks :



### Features:

- Constant voltage mode power supply - Suitable for LED lighting and moving sign applications
- Universal AC input / Fully encapsulated with IP67 (for indoor and outdoor use) Full range
- Fully encapsulated with IP67 level
- Protections: Over current / Over Voltage / 100% full load burn-in test / Built in active Power Factor Correction (PFC) function.

### Specification:

		OUTPUT						
	Model	Voltage DC [V]	Loading [A]	Output Tol. [%]	Efficiency [%]	OVP [V]	Max. Power [W]	Ripple & Noise [mV] p-p
	<b>HPCV-10012P</b>	<b>12</b>	<b>0~8.0</b>	-	<b>83</b>	<b>13~16</b>	<b>96</b>	<b>100</b>
<b>INPUT</b>	Voltage	(100 ~ 240)VAC						
	Frequency	(47 ~ 63)Hz						
	Current	0.4A/230VAC   0.8A/100VAC						
	Inrush Current max.	40A/230VAC @ cold start						
	Leakage current	0.75mA/240VAC						
	Power Factor	PF>0.95/115VAC at full load PF≥0.9 at 75 ~ 100% load, 115VAC / 230VAC						
<b>PROTECTION</b>	Over current	95% ~ 102% Protection type : Constant current limiting, recovers automatically after fault condition is removed						
	Over Voltage	Protection type : Shut down o/p voltage, re-power on to recover						
	Protection class	UL1310 Class 2 power unit, pass LPS						
	Over temperature	Protection type : Shut down o/p voltage, recovers automatically after temperature goes down 110°C±5°C(TSW1) detect on heatsink of power transistor						
	Short circuit	Hiccup mode, recovers automatically after fault condition is removed						
	No Load Operation							
<b>OTHERS</b>	Isolation Resistance	I/P-O/P:>100MΩ / 500VDC / 25 ~ 70% RH						
	Set up time	1200ms						
	Hold-up Time	60ms/230VAC at full load						
	MTBF Qualification							
	AC cable / DC cable							
	Rise time	80ms at full load						
	Line regulation	±1.0%						
	Load regulation	±2.0%						
<b>ENVIRONMENT</b>	Temperature	Operating: (-10 ~ +50)°C / Storage: (-40 ~ 80)°C						
	Humidity	Operating: (20 ~ +90)%RH / Storage: (10 ~ 95)%RH Non-condensing						
	Vibration	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes						
	Temp. Coefficient	±0.03%/°C (0~50°C)						
<b>CERTIFICATION &amp; SAFETY</b>		Safety EN61347-1, EN61347-2-13   Immunity EN61547   Harmonic EN61000-3-2   Magnetic Emission EN55015   RoHS compliant   CE mark / compliant   UL standard design   Pass LPS   UL 1310 Class II power unit						
<b>SAFETY &amp; EMC</b>	Withstand voltage	I/P-O/P:3.75KVAC I/P-FG:1.88KVAC O/P-FG:0.5KVAC						
	Safety standards	Design refer to UL1310 Class 2,TUV EN60950-1, EN61347-2-13, CAN/CSA C22.2 No. 223-M91, meet IP67						
	EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, EN61547, light industry level (surge 4KV), criteria A						
	EMI conduction & radiation	Compliance to EN55015, EN55022 (CISPR22) Class B						
	Harmonic current	Compliance to EN61000-3-2 Class C (≥75% load) ; EN61000-3-3						
		<b>HPCV-10012P</b>						
<b>WEIGHT</b>	1pc	N.W.: 784g   G.W.: 821g						
<b>PACKING</b>	Box	0.425 x 0.24 x 0.195 [m]						
		20pcs / 1box						
		G.W.: 16.8 kg / box						

## Mechanical case and cable specification:

