

Model: HS15P Series

Approvals: **IP65 LPS**

15 Watts single output

Size: 110 * 35 * 25 mm (L*W*H)

Features:

- * For High Brightness Light-Emitting Diode products.
- * Universal AC input 90~264Vac.
- * Fully isolated plastic case
- * Built-in constant voltage limiting design.
- * Operation from -20°C~60°C full load.
- * Protections: OTP / SCP / OLP .
- * Class II power design without earth pin.
- * IP65 class



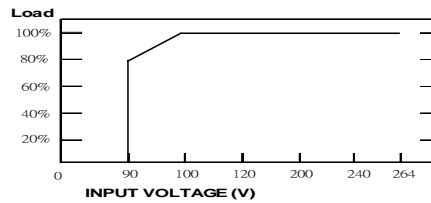
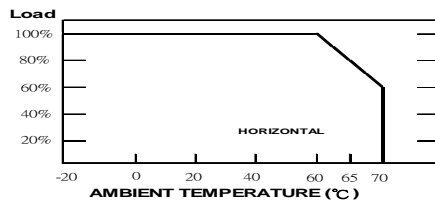
Specifications:

HS15P-xxV xx: for Output Voltage

V: mean that Constnt Voltage Mode

Model No.	HS15P-12V	HS15P-24V	HS15P-36V	HS15P-48V	
Output	DC Voltage	12V	24V	36V	48V
	Rated Current Range	0 ~ 1250mA	0 ~ 630mA	0 ~ 420mA	0 ~ 300mA
	Rated Max. Power	15W	15.12W	15.12W	14.4W
	Efficiency (At 240Vac)	81%	83%	83%	84%
	Voltage Tolerance	±5%	±5%	±5%	±5%
	Ripple & Noise	180mVpp	240mVpp	360mVpp	400mVpp
	Set up Time (Max)	<500ms at full load			
Input	Voltage Range	90 Vac ~ 264 Vac			
	Frequency Range	47 Hz ~ 63 Hz			
	Power Factor Correction	≥ 0.88/120VAC, ≥ 0.8/240VAC			
	AC Current	0.25A@115VAC / 0.1A@230VAC			
	Inrush Current	11A at 115Vac / 15A at 230Vac			
	Leakage Current	<0.25mA / 230 Vac			
Protections	Over Load	130% ~ 160% rated output power Type : Hiccup Mode			
	Over Temperature	Tc : 95°C±10°C Type : Hiccup Mode			
	Short Circuit	Type : Hiccup Mode			
Environment	Operation Temp.	-20°C~60°C full load . (Refer to output load derating curve)			
	Operation Humidity	20% ~ 95% RH non-condensing.			
	Storage Temp.	-40 ~ +80°C			
	Storage Humidity	10% ~ 95% RH			
	Vibration	10 ~ 500 Hz, 2G 10 min. / 1 cycle, period for 60 min. each along X, Y, Z axes.			
Safety & EMC	Safety Standards	meet EN61347-1,EN61347-2-13			
	Withstand Voltage	I/P - O/P: 3.75 KVAC			
	Isolation Resistance	I/P-O/P:100m ohms / 500VDC at 25 °C.			
	EMI Conduction&Radiation	meet ENS5015			
Others	MTBF	200K hours min.MIL-HDBK-217F(25°C)			
	Dimension(L*W*H)	110*35*25mm			
	Packing(L*W*H)/Carton	460*270*210mm			
	Weight	100pcs / 14kg			
Remark	1. All parameters NOT specially mentioned are measured at 230Vac input, rated load and 25° ambient temperature. 2. Ripple & noise are measured at 20MHZ bandwidth oscilloscope and with 0.1uf & 47uf parallel capacitor. 3. The power supply is considered a component which will be installed a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.				

Derating Curve



Mechanical Specification

