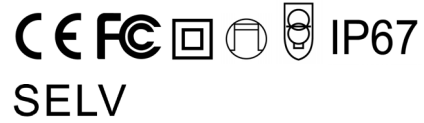


Model: GP-RS15P Series (15 Watts single output)

Features

- Universal AC Input 90~264VAC.
- Built-in Constant Voltage Limiting Design.
- For High Brightness Light-Emitting Diode products.
- Fully Isolated Plastic Case & Double Insulation Cable Wire.
- No Load Consumption < 0.5W
- Meet Application For ErP EU_1194_2012,Stage 3.
- Operation from -20°C ~60°C Full Load.
- Protections: OTP / SCP / OLP.
- Class II Power Design Without Earth Pin.
- IP67 Class.

Approvals



Size

114 * 37.4 * 25 mm (L*W*H)

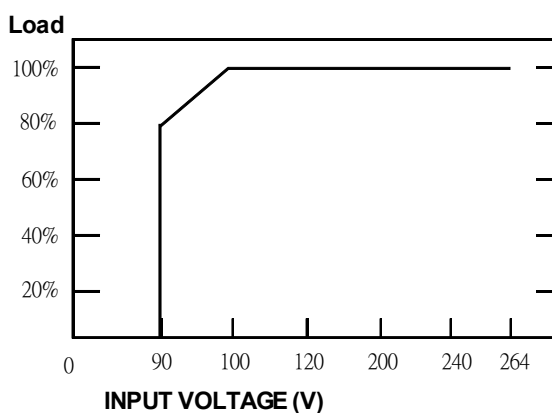
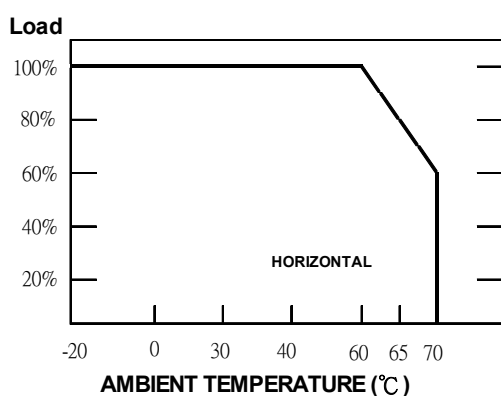


Specifications

Model No.		GP-RS15P-12V	GP-RS15P-24V	GP-RS15P-36V	GP-RS15P-48V
Output	DC Voltage	12V	24V	36V	48V
	Rated Current Range	0-1250mA	0-630mA	0-420mA	0-300mA
	Rated Max. Power	15W	15.1W	15.1W	14.4W
	Efficiency (at 240VAC)	81%	83%	83%	84%
	Voltage Tolerance	±5%	±5%	±5%	±5%
	Ripple & Noise	180mVpp	240mVpp	360mVpp	400mVpp
	No Load Consumption (Max.)	< 0.5 W at 230VAC			
	Set up Time (Max)	< 500ms at full load			
Input	Voltage Range	90VAC ~ 264VAC			
	Frequency Range	47 Hz ~ 63 Hz			
	Power Factor Correction	≥ 0.88 at 120VAC , ≥ 0.8 at 240VAC			
	AC Current	0.25A at 115VAC , 0.1A at 230VAC			
	Inrush Current	11A at 115VAC , 15A at 230VAC			
	Max. Number of PSUs on Circuit Breaker	B type :7 units (10A) / 12 units (16A), C type : 12 units (10A) / 20 units (16A) at 230VAC			
	Leakage Current	<0.25mA at 230VAC			
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 : 2015, EN61347-2-13 : 2014
	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 EN55015, FCC part15 B
	EMS Immunity	meet EN61547(EN61000-4-2, 3, 4, 5, 6, 8,11),EN61000-3-2, EN61000-3-3
Others	MTBF	200K hours min.MIL-HDBK-217F(25°C)
	Dimension(L x W x H)	114 x 37.4 x 25mm; 182.5g/pcs
Remark	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C 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

