

Model: GP-LV5012-01 (6 Watts single output)

▪ Features

- Universal AC Input 90~264VAC.
- Constant Voltage Mode Operating.
- For High Brightness Light-Emitting Diode Products.
- Fully Isolated Plastic Case.
- Operation from -10°C~40°C Full Load.
- Protections: OVP / OLP/ SCP.
- Class II Power Design Without Earth Pin.

▪ Approvals



▪ Size

58 x 40 x 21 mm (L x W x H)

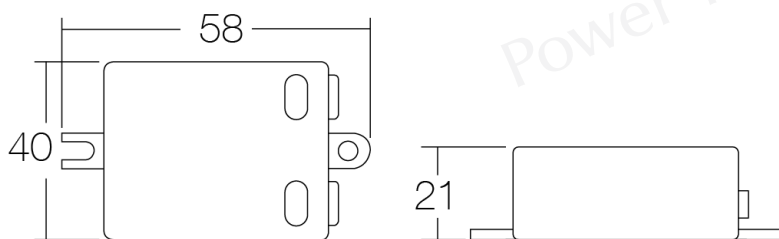


▪ Specifications

Model No.		GP-LV5012-01
Output	LED Operation Voltage	12VDC ±10%
	Rated Current Range	0-500mA
	Rated Max. Power	6W
	Efficiency (Typ.) 230VAC	75%
	Rise Time	<250ms at full load
Input	Voltage Range	90VAC ~ 264VAC
	Frequency Range	47 Hz ~ 63 Hz
	AC Current	0.2A at 115VAC / 0.1A at 230VAC
	Inrush Current	No components will be stressed over its max specification according to I2T
	Leakage Current	<0.25mA / 240VAC
Protections	Over Load	100~135% rated output power recovers automatically after fault condition has been removed.
	Short Circuit	Type: Hiccup mode, Recovers automatically after fault condition is removed.
	Over Voltage	105-120% rated output Voltage
Environment	Operation Temp.	-10 ~ 40°C Full Load
	Operation Humidity	20% ~ 90% RH non-condensing.
	Storage Temp.	-20 ~ +80°C
	Storage Humidity	10% ~ 90% 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	meet I/P - O/P: 3.75K VAC
	Isolation Resistance	meet >100M ohms / 500VDC at 25°C
	EMI Conduction & Radiation	meet EN55015
	Harmonic Current	Compliance to EN61000-3-2 Class C, EN61000-3-3
	EMS Immunity	meet EN61547, EN61000-4-2, 3, 4, 5, 6, 8, 11

Others	MTBF	400K hours min.MIL-HDBK-217F(25°C)
	Dimension(L x W x H)	58 x 40 x 21mm; 36.5g/pcs
Note	<ol style="list-style-type: none"> All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C ambient temperature. Constant current operation region is within the specified output voltage range above. This is the suitable operation region for LED related applications. 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. 	

▪ **Mechanical Specification**



▪ **Configuration arrays when using with 3Ø&5Ø LED**

