

## Model: GP-LV5012AF (6Watt)

### Features

- Universal AC Input Range. (up to 264VAC)
- Constant Voltage Design.
- Class 2 Power Supply Unit.
- Built-in Active PFC Function.
- Protections: SCP/ OCP.
- Fully Isolated Plastic Case.

### Approvals



### Size

65 \* 35 \* 23 mm (L\*W\*H)

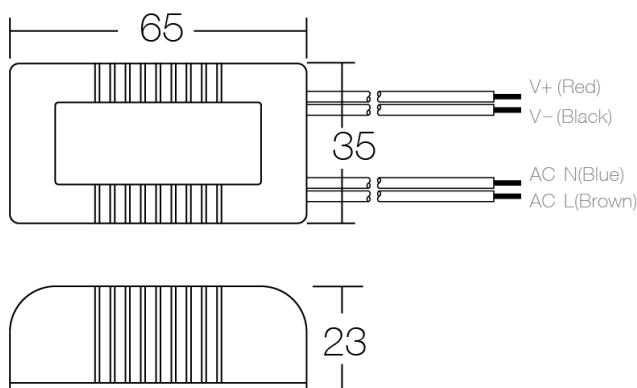


### Specifications

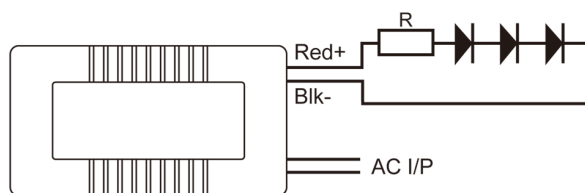
Model No.		GP-LV5012AF
Output	DC Voltage	12VDC
	Rated Current Range	0-500mA
	Rated Max. Power	6W
	Ripple & Noise (Max.) Note.2	2.3Vp-p
	Voltage Tolerance (Note.3)	±1.0V
	Line Regulation	±2%
	Load Regulation	±5%
Input	Voltage Range (Note.4)	100-240VAC
	Frequency Range	50 Hz / 60 Hz
	Efficiency(Typ.) Note.1	67%
	AC Current	0.2A at 115VAC / 0.12A at 230VAC
	Power Factor	>0.45 at 115VAC / > 0.368 at 230VAC with full load
	Inrush Current (Max.)	20A at 240VAC
Protections	Short Circuit	Hiccup mode, recovers automatically after fault condition is removed.
	Over Current	110% - 120% rated output Current, auto-recovery
Environment	Working Temp.	-10 ~ 40°C(Refer to "Derating Curve")
	Working Humidity	20% ~ 90% RH non-condensing.
	Storage Temp., Humidity	-20 ~ +80°C ,10% ~ 95% RH
Safety & EMC	Safety Standards	meet EN61347-1,EN61347-2-13 ,UL8750 refer UL1310
	Withstand Voltage	I/P - O/P: 3.75K VAC
	Isolation Resistance	I/P - O/P:>100M Ohms /500Vdc / 25°C /70% RH
	EMC Emission	Compliance to EN55015
	EMC Immunity	Compliance to EN61547,EN61000-4-2,3,4,5,6,8,11
Connection	Input	UL rated, 20AWG x 2C
	Output	UL rated, 20AWG x 2C
Others	MTBF	100K hours min. @Ta=25°C
	Dimension (L x W x H)	65 x 35 x 23mm; 66.5g/pcs

Note	<ol style="list-style-type: none"> <li>1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C ambient temperature.</li> <li>2. Ripple &amp; Noise are measured at 20MHZ of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf &amp; 47uf paraliel capacitor.</li> <li>3. Tolerance : includes set up tolerance, line regulation and load regulation.</li> <li>4. Derating may be needed under low input voltage. Please check the static characteristics for more details.</li> <li>5. The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.</li> <li>6. Length of set up time is measured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time.</li> <li>7. The unit might not be suitable for lighting applications in EU countries. Please check with your local authorities for the possible use of the unit.</li> <li>8. Suitable for indoor use or outdoor use without direct sunlight exposure.</li> </ol>
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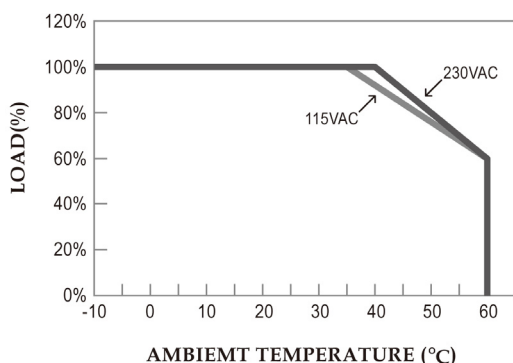
**Dimension:**



**Recommended installation**



**Power Derating Curve**



**Power Static Characteristics**

