

Model: LVxxxx-03 Series

Features

- Universal AC Input 90~264VAC.
- Constant Voltage Models.
- 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

86 * 45 * 26 mm (L*W*H)

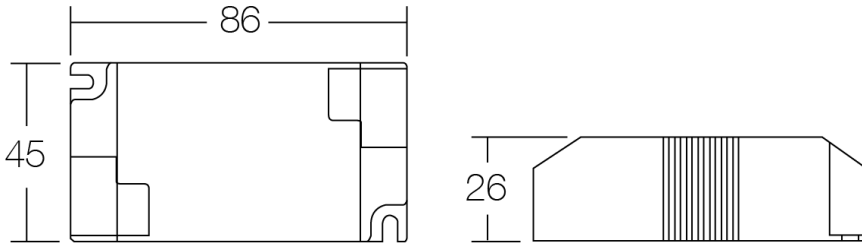


Specifications

Model No.		GP-LV5012-03	GP-LV8312-03	GP-LV2524-03	GP-LV4124-03
Output	LED Operation Voltage	12VDC ±10%	12VDC ±10%	24VDC ±10%	24VDC ±10%
	Rated Current Range	0-500mA	0-830Ma	0-250mA	0-410mA
	Rated Max. Power	6W	10W	6W	10W
	Efficiency (Typ.) 230VAC	75%	75%	75%	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)	86 x 45 x 26mm; 67g/pcs
Note	<ol style="list-style-type: none">1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C ambient temperature.2. Constant current operation region is within the specified output voltage range above. This is the suitable operation region for LED related applications.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.	

Dimension



Configuration arrays when using with 3Ø&5Ø LED

