

Model: GP-LS150P-60

Features

- Universal AC Input, from 90 to 264VAC.
- Constant Current and Constant Voltage Modes.
- Built in Active Power Factor Correction.
- Safety Protections Include OVP, OCP, SCP, and OTP.
- IP67 Rated for Protection from Water and Dust.
- IP68 Waterproof Connectors for Convenient Maintenance.
- Starts up in Less Than 0.8 Seconds at 230VAC.

Approvals

CE IP67 SELV EQUIVALENT



Size

222 * 68 * 39 mm (L*W*H)

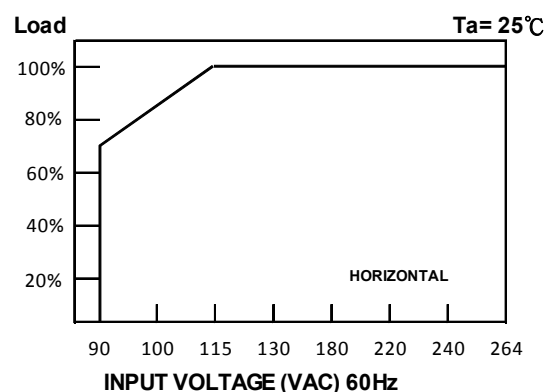
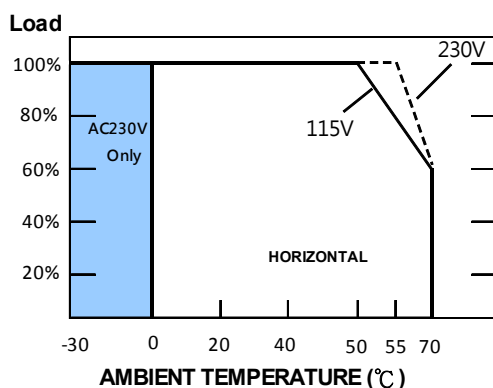


Specifications

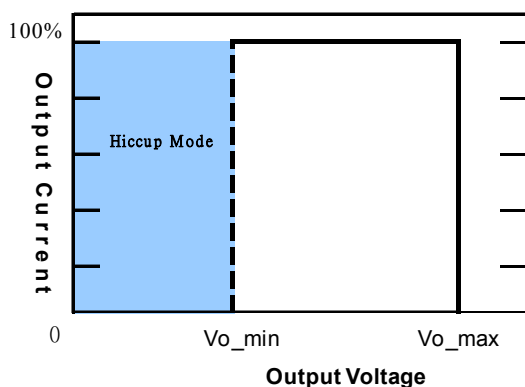
Model No.		GP-LS150P-60
Output	DC Voltage	60V
	Constant Current Region Note.4	48-60V
	Rated Current	2.5A
	Current Tolerance	±5%
	Rated Power	150W
	Ripple & Noise (Max.) Note.2	380mV
	Efficiency at 230VAC (Typ.)	90%
	Voltage Tolerance Note.3	-1% ~ 5%
	Set up time (Max.)	0.8s / 230VAC, 1s / 115VAC, at full load.
Input	Voltage Range	90 ~ 264VAC / 127 ~ 373VDC
	Frequency Range	47 Hz ~ 63 Hz
	AC Current (Max.)	2A at 115VAC / 1A at 230VAC
	Power Factor	>0.98 at 115VAC / >0.95 at 230VAC at full load. (≥ 0.9 at 230VAC at 80% load)
	Inrush Current (Max.)	COLD START 65A at 230VAC
	Leakage Current	<0.5mA / 240VAC
Protections	Over Current	95~105% rated current. Type: Auto-recovery after fault condition disappeared.
	Short Circuit	Type: Hiccup mode & recovers after fault condition disappeared.
	Over Voltage	66-82V Type: Latch mode (re-power on to recover).
	Over Temperature	Tcase: 95°C ±10°C Type: Shutdown mode (re-power on to recover).
Environment	Operation Temp. Note.5	-30°C ~ 70°C (Refer to output load derating curve)
	Operation Humidity	20% ~ 90% RH non-condensing.
	Storage Temp.	-40 ~ +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	EN61347-1, EN61347-2-13, independent; IP67 Approved.
	Withstand Voltage	I/P-O/P: 3.75KVAC I/P-FG:1.88KVAC O/P-FG:0.5KVAC
	Isolation Resistance	I/P-O/P,I/P-FG,O/P-FG:100M ohms / 500VDC at 25°C
	EMI Conduction & Radiation	Compliance to EN55015
	Harmonic Current	Compliance to EN61000-3-2 Class C ($\geq 75\%$ load),EN61000-3-3
	EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,11;EN61547, Light industry level, criteria A
Others	MTBF	200K hours min. MIL-HDBK-217F(25°C)
	Dimension(L x W x H)	222 x 68 x 39mm; 1018g/pcs
Note	1. All specifications not specially mentioned are measured at 230VAC and 25°C ambient temperature. 2. Ripple & Noise are measured at 20MHz bandwidth by using a 12" twisted pair-wire terminated with 0.1uf & 47uf parallel capacitor. 3. Voltage Tolerance: includes line regulation, load regulation and set-up tolerance. 4. Constant current operation region is within 75%~100% rated output voltage. This is the suitable operation region for LED related applications, but please reconfirm special electrical requirements for some specific system design. 5. Please refer to derating curve.	

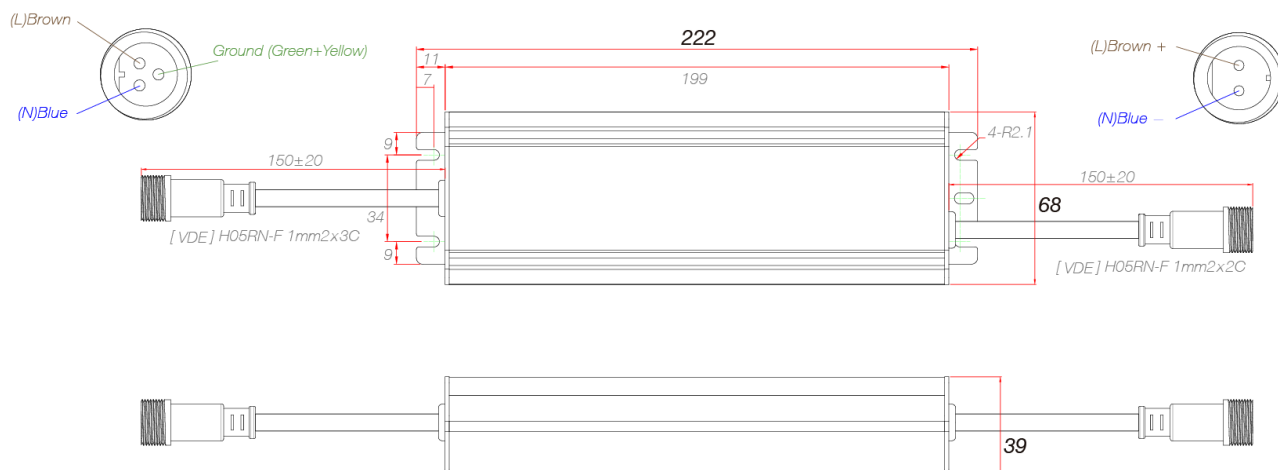
Derating Curve



Constant Voltage / Constant Current Curve



Mechanical Specification



Photo



GP-LS150P-60



IP68 power connector