

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 x 68 x 39 mm (L x W x H)

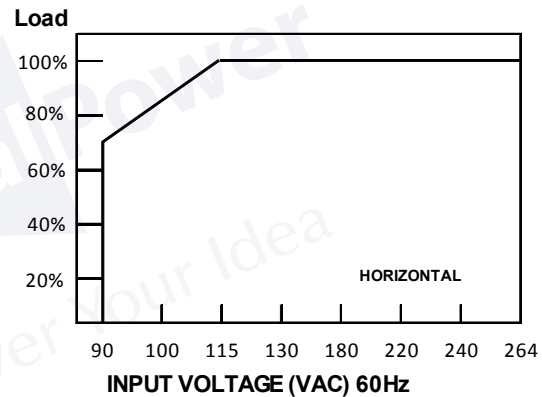
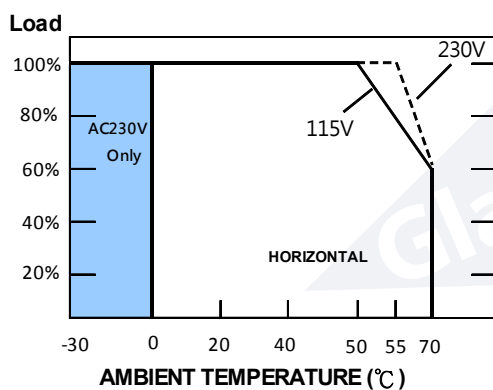


■ Specifications

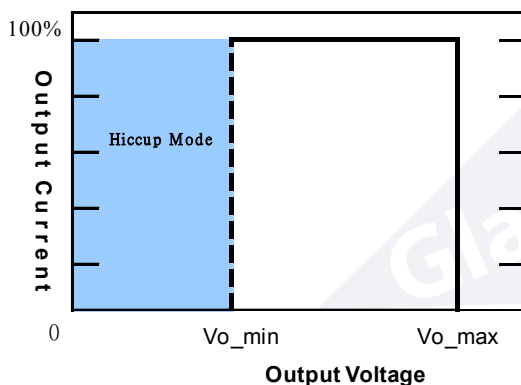
Model No.		GP-LS150P-60
Output	DC Voltage	60V
	Constant Current Region Note.4	48-60V
	Rated Current	2.5A
	Current Tolerance	±5%
	Rated Power	150W
	Ripple & Noise (Max.) Note.2	380mV
	Efficiency at 230VAC (Typ.)	90%
	Voltage Tolerance Note.3	-1% ~ 5%
	Set up time (Max.)	0.8s / 230VAC, 1s / 115VAC, at 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).
	Operation Temp. Note.5	-30°C ~70°C (Refer to output load derating curve)
Environment	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.	

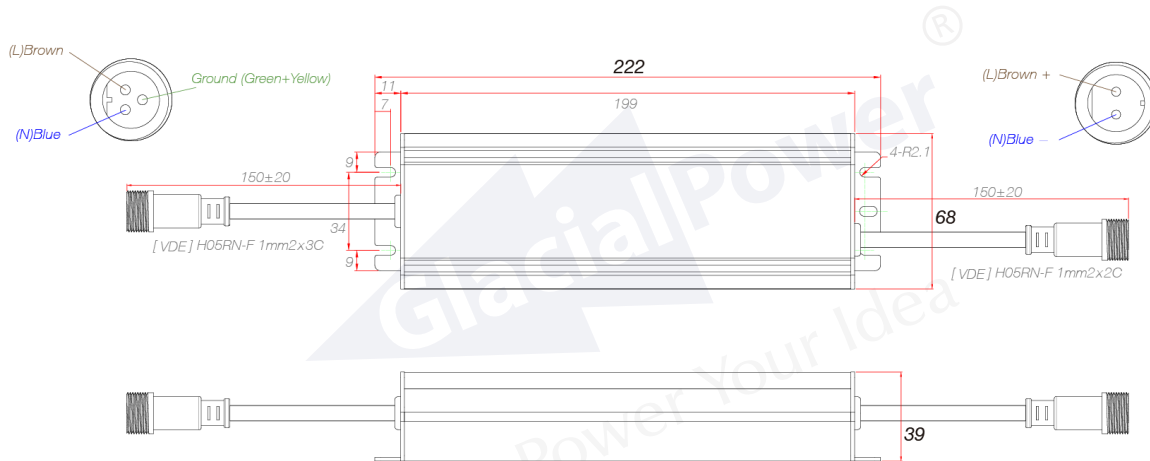
■ Derating Curve



■ Constant Voltage / Constant Current Curve



■ Mechanical Specification



■ Photo

