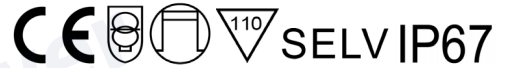


Model: GP-LS60P-42C 1E

■ Features

- Universal AC Input, from 90 up to 305VAC.
- Comes with Active Power Factor Correction.
- Constant Current Mode.
- OCP, OVP, OTP, and SCP Safety Features are Built in.
- Fast Starts up: Less Than 0.5 Seconds at 230VAC.
- Consumes Less Than 0.5W in No Load Conditions.
- Class I Metal Case.
- IP67 Rated Enclosure, Provides Protection from Water and Dust.
- Waterproof IP68 Rated Connectors, for Convenient Maintenance.

■ Approvals



■ Size

199.3 x 49.5 x 40.5 mm (L x W x H)

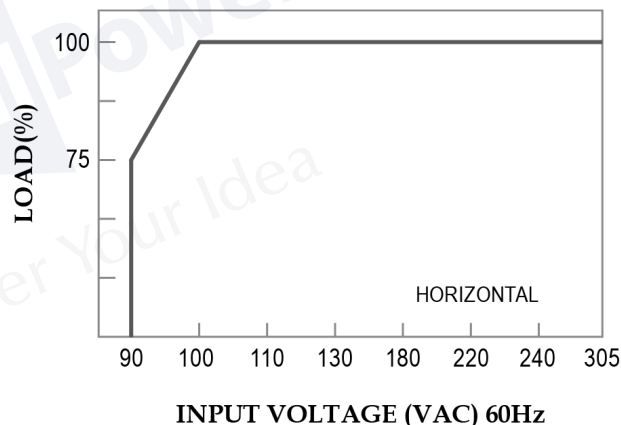
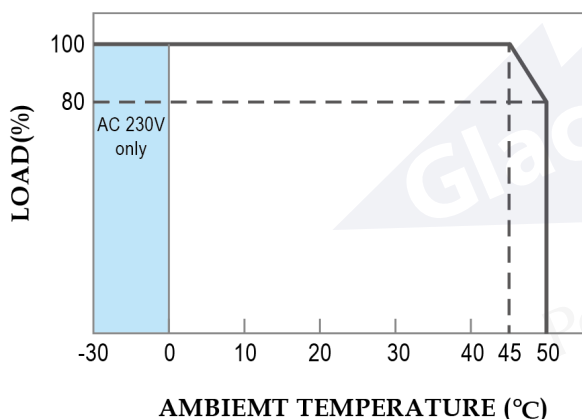


■ Specifications

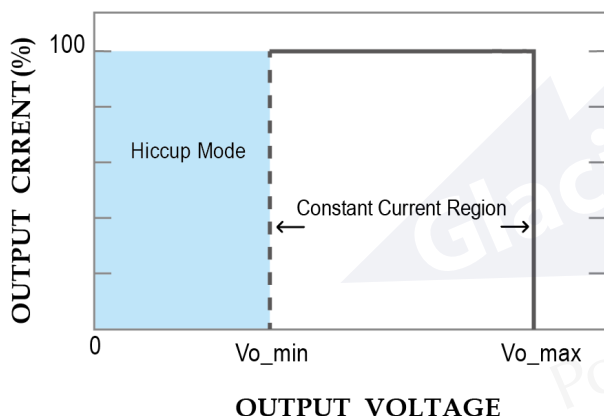
Model No.		GP-LS60P-42C 1E
Output	DC Voltage	42V
	Constant Current Region <small>Note3</small>	28 ~ 42V
	Rated Current	1.4A
	Current Tolerance	± 5%
	Rated Power	58.8W
	Ripple & Noise (Max.) <small>Note2</small>	250mV
	Efficiency at 240VAC(Typ.)	87%
	Voltage Tolerance <small>Note4</small>	-1% ~ +5%
	DC Dimming (Optional)	DC 0-10V or Electronic Potentiometer 0-10V
	PWM Dimming (Optional)	Puls: Hi=10V Low=0V, Duty: 0%~100%, Fsw 0.5-3KHz
	Resistance Dimming (Optional)	0KΩ~100KΩ
	Set up time (Max.)	<0.5 Sec / 230VAC / full load
Input	Voltage Range	90 ~ 305VAC
	Rated Voltage	100 ~ 240VAC / 277VAC (for North America Only)
	Frequency Range	47 Hz ~ 63 Hz
	AC Current (Max.)	0.8A at 100~240VAC/ 0.4A at 277VAC (for North American Only)
	Power Factor	≥ 0.98 at 120VAC / ≥ 0.94 at 240VAC / ≥ 0.92 at 277VAC, at full load
	No Load Consumption (Max.)	< 0.5W at 230VAC
	Inrush Current (Max.)	Cold Start 70A at 240VAC
	Leakage Current	<0.5mA / 240VAC
Protections	Over Current	95 ~ 105% rated current. Type: Auto-recovery after fault condition disappeared.
	Short Circuit	Type: Hiccup and recovers after fault condition disappeared.
	Over Voltage	46.2~54.6V
		Type: Latch mode (Re-power on to recover).
	Over Temperature	RT2: 105 ± 10°C Type: Latch mode (Re-power on to recover).

Environment	Operation Temp.	-30°C ~50°C (Refer derating curve)
	Operation Humidity	20% ~ 90% RH non-condensing.
	Storage Temp.	-40 ~ +60°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, Approved.
	Withstand Voltage	I/P - O/P: 3750VAC
	Isolation Resistance	I/P-O/P:100M ohms / 500VDC at 25°C
	EMI Conduction & Radiation	Compliance to EN55015,FCC part 15
	Harmonic Current	Compliance to EN61000-3-2 Class C,EN61000-3-3
	EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,11; EN61547
Others	MTBF	200K hours min. MIL-HDBK-217F(25°C)
	Dimension(L x W x H)	199.3 x 49.5 x 40.5mm; 763g/pcs
Note	1. All specifications not specially mentioned are measured at 240VAC 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. Constant current operation region is the suitable operation region for LED related applications, but please reconfirms special electrical requirements for some specific system design. 4. Voltage Tolerance: includes line regulation, load regulation and set-up tolerance. 5. Please refer to derating curve.	

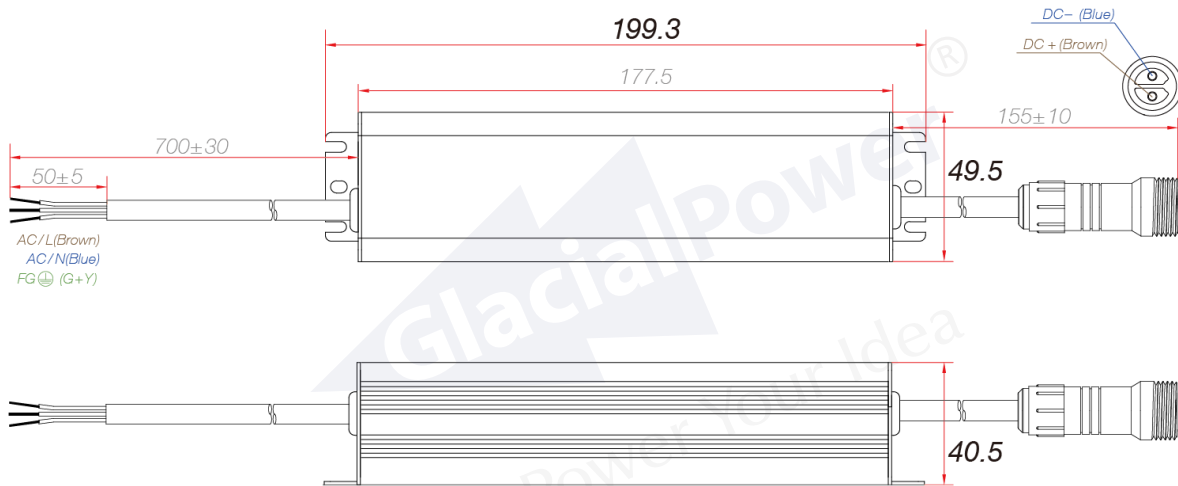
■ Derating Curve



■ Constant Voltage / Constant Current Curve



■ Mechanical Specification



■ Photo

