

Model: GP-LS200P Series / LED Driver
Approvals : IP67   

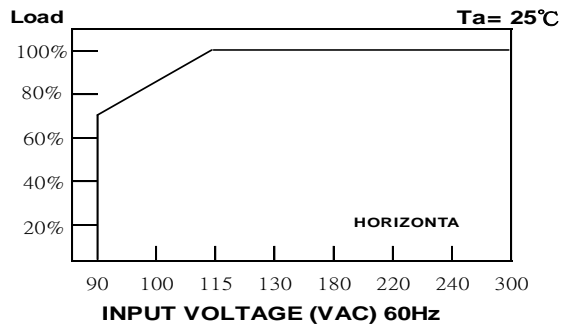
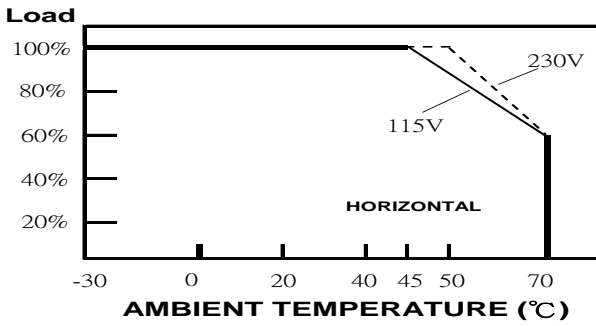
Features:

- * Universal AC input 100~277Vac.
- * Constant Voltage / Constant Current Operation.
- * Withstand 277V AC input.
- * Built-in ACTIVE PFC Function.
- * Protections: OVP / OCP / SCP / OTP.
- * Fully Insulated Case with IP67 Level.
- * Cooling by free air convection.
- * For High Brightness Light-Emitting Diode products.

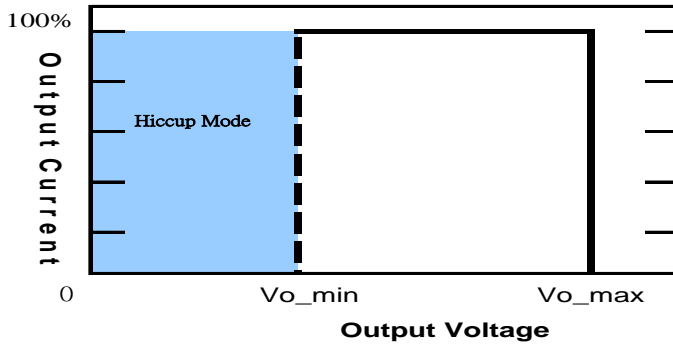
Size: 244 * 68 * 39 mm (L*W*H)

Specifications:

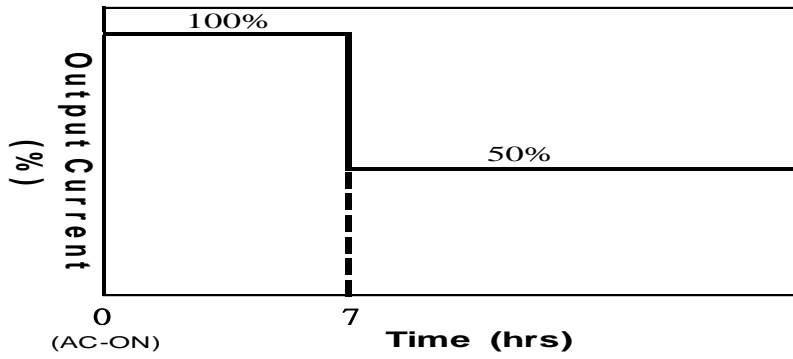
Model No.	GP-LS200P-12	GP-LS200P-24	GP-LS200P-36	GP-LS200P-48	
Output	DC Voltage	12V	24V	36V	48V
	Constant Current Region <small>Note.4</small>	9 ~ 12V	16 ~ 24V	27 ~ 36V	37 ~ 48V
	Rated Current	13.4A	8.3A	5.6A	4.1A
	Current Tolerance	+5%, -5%			
	Rated Power	160.8W	199.2W	201.6W	196.8W
	Ripple & Noise (Max.) <small>Note.2</small>	150mV	240mV	360mV	480mV
	Efficiency at 230Vac (Typ.)	87%	90%	90%	90%
	Voltage Tolerance <small>Note.3</small>	-1%~5%	-1%~5%	-1%~5%	-1%~5%
Set up time (Max.)	1.5s / 230Vac, 3s / 115Vac, at full load.				
Input	Rated Voltage	100 ~ 277 Vac			
	Voltage Range	90 ~ 295Vac / 127 ~ 417Vdc			
	Frequency Range	47 Hz ~ 63 Hz			
	AC Current (Max.)	4A at 115Vac / 2A at 230Vac			
	Power Factor	>0.98 at 115 Vac / >0.94 at 230Vac at full load. PF ≥ 0.9 at 70% load			
	Inrush Current (Max.)	COLD START 80A at 230 Vac			
Leakage Current	<0.5mA / 240 Vac				
Protections	Over Current	95~105% rated current. Type: Constant current limit and recovers after fault condition disappeared.			
	Short Circuit	Type: Hiccup mode & recovers after fault condition disappeared.			
	Over Voltage	14~20V	26~32V	40~50V	52~60V
	Over Temperature	Tcase: 95°C ± 10% Type: Shutdown mode (re-power on to recover).			
Environment	Operation Temp.	-30°C ~ 50°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, FCC part 15			
	Harmonic Current	Compliance to EN61000-3-2 Class C (≥ 75% load), EN61000-3-3			
EMS Immunity	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11; EN61547, criteria B				
Others	MTBF	190K hours min. MIL-HDBK-217F(25°C)			
	Dimension (L*W*H)	244*68*39			
	Packing (L*W*H)/Carton	575*302*160			
	Weight	1100g			
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.				



Constant Voltage / Constant Current Curve



Timer Dimming (optional)



Mechanical Specification

