

**Model:** GP-LS200P Series / LED Driver

**Approvals :**



**Features:**

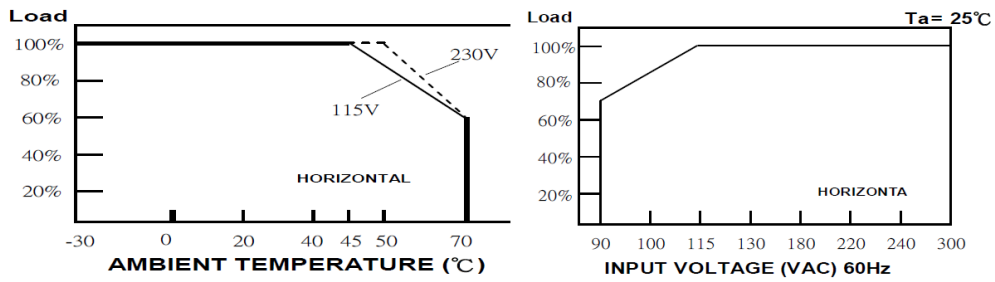
- \* Universal AC input 100~277Vac.
- \* Constant Voltage / Constant Current Operation.
- \* Withstand 277V AC input.
- \* Built-in ACTIVE PFC Function.
- \* Protections: OVP / OCP / SCP / OTP.
- \* Fully Insulated Case with IP67 Level.
- \* Cooling by free air convection.
- \* For High Brightness Light-Emitting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

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

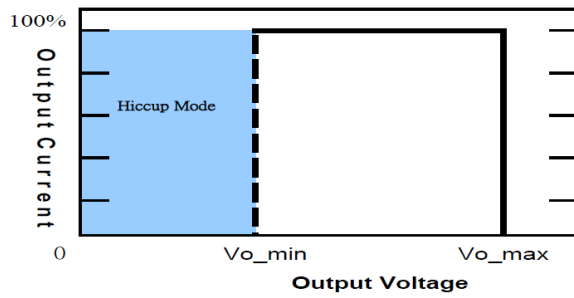


**Specifications:**

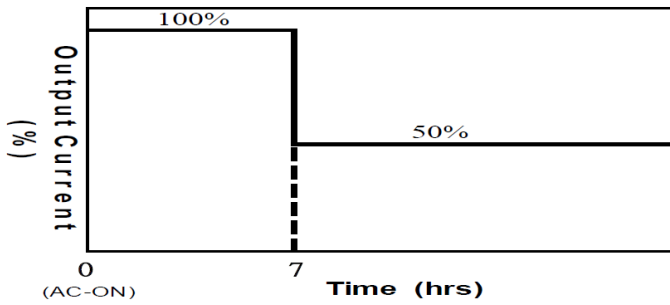
Model No.	GP-LS200P-12	GP-LS200P-24	GP-LS200P-36	GP-LS200P-48	
<b>Output</b>	DC Voltage	12V	24V	36V	48V
	Constant Current Region Note.4	9 ~ 12V	16 ~ 24V	27 ~ 36V	37 ~ 48V
	Rated Current	13.4A	8.3A	5.6A	4.1A
	Current Tolerance	+5%, -5%			
	Rated Power	160.8W	199.2W	201.6W	196.8W
	Ripple&Noise(Max.) Note.2	150mV	240mV	360mV	480mV
	Efficiency at 230Vac(Typ.)	87%	90%	90%	90%
	Voltage Tolerance Note.3	-1%~5%	-1%~5%	-1%~5%	-1%~5%
Set up time (Max.)	1.5s / 230Vac, 3s / 115Vac, at full load.				
<b>Input</b>	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			
<b>Protections</b>	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	Tease: 95°C ±10% Type: Shutdown mode(re-power on to recover).			
<b>Environment</b>	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.			
<b>Safety &amp; EMC</b>	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			
<b>Others</b>	EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11; EN61547, criteria B			
	MTBF	190K hours min. MIL-HDBK-217F(25°C)			
	Dimension(L*W*H)	244*68*39			
	Packing(L*W*H)/Carton	575*302*160			
<b>Note</b>	Weight	1100g			
	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

