

Model: GP-LS35P Series / LED Driver

Approvals : IP67 LPS CE FC

Features:

- * Universal AC input 90~264Vac.
- * Class 2 Power Supply Unit.
- * Constant Current / Constant Voltage Operation.
- * Withstand 277Vac surge input for 10 seconds.
- * Built-in ACTIVE PFC Function.
- * Protections: OVP / OCP / SCP / OTP.
- * Fully Insulated Case with IP67 Level.
- * Cooling by free air convection.
- * Optional Dimming Type : PWM/DC (Only 42A)

UL US (12V, 24V, 30V only) UL (42V, 48V only)

Size : 163 * 45 * 33 mm (L*W*H)

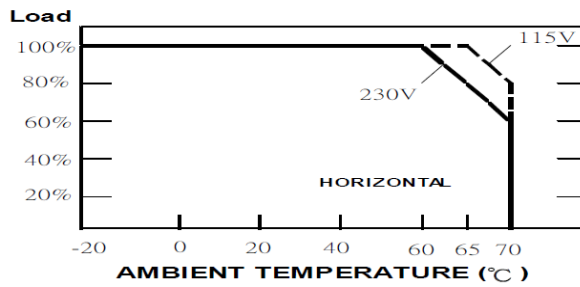


GP-LS35P-xx(B): The model name without B is for constant current application.
The model name with B is for constant voltage application.

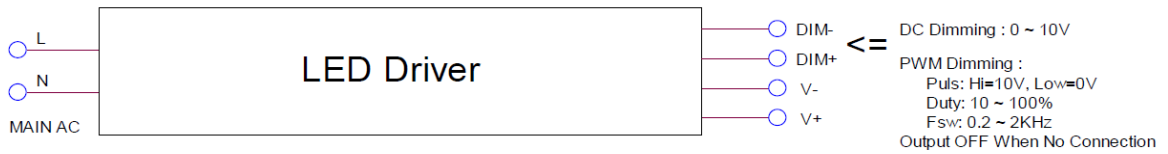
Specifications:

Model No.	GP-LS35P-12(B)	GP-LS35P-24(B)	GP-LS35P-30(B)	GP-LS35P-48(B)	GP-LS35P-42A	
Output	Rated Voltage	12V	24V	30V	48V	42V
	DC Voltage Range <small>Note.1</small>	7 ~ 12V	14 ~ 24V	5 ~ 30V	5 ~ 48V	20 ~ 42V
	Rated Current	2500mA	1250mA	1050mA	700mA	
	Current Tolerance	+10%, -10%	+10%, -10%	+10%, -10%	+10%, -10%	
	Max. Power	30W	30W	31.5W	33.6W	29.4W
	Ripple & Noise(Max.) <small>Note.2</small>	3Vp-p	3Vp-p	3Vp-p	4Vp-p	
	Efficiency at 115Vac(Typ.)	82%	84%	85%	86%	84%
	Dimming Control	NO	NO	NO	NO	YES
Voltage Tolerance <small>Note.3</small>	+5% , -5%					
Set up time (Max.)	1 sec. / 230Vac, 2 sec. / 115Vac, at full load.					
Input	Voltage Range	90 ~ 264 Vac or 127 ~ 370Vdc				
	Frequency Range	47 Hz ~ 63 Hz				
	AC Current (Max.)	0.4A at 115Vac / 0.25A at 230Vac				
	Power Factor	>0.95 at 115 Vac / >0.85 at 230Vac with full load.				
	Inrush Current (Max.)	60A at 230 Vac				
	Leakage Current	<0.5mA / 240 Vac				
Protections	Over Current	90-110% rated current for constant current models. Type: Hiccup and recovers after fault condition disappeared. 120-160% rated current for constant voltage models.				
	Short Circuit	Type: Hiccup and recovers after fault condition disappeared.				
	Over Voltage	16 ~ 23	28 ~ 35	35 ~ 42V	52 ~ 60V	48 ~ 53V
	Over Temperature	Tcase: 95°C±10% Type: Auto-recovery Mode.				
Environment	Operation Temp.	-20°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	UL1310 Class 2, EN61347-1, EN61347-2-13, IP67 Approved.				
	Withstand Voltage	I/P - O/P: 3.75K VAC				
	Isolation Resistance	I/P-O/P:100M ohms / 500VDC at 25 °C				
	EMI Conduction & Radiation	Compliance to EN55015				
	Harmonic Current	Compliance to EN61000-3-2 Class C, EN61000-3-3				
	EMS Immunity	Compliance to EN61000-4-2, 3, 4, 5, 6, 11 Light industry level, criteria A				
Others	MTBF	200K hours min. MIL-HDBK-217F(25°C)				
	Dimension(L*W*H)	163 * 45 * 33 mm				
	Packing(L*W*H)/Carton	590 * 224 * 150 mm				
	Weight	0.37 Kg				
Note	1. This range is only for constant current operation. 2. Ripple & Noise are measured at 20MHz bandwidth with 0.1uf ceramic & 47uf electrolytic capacitors in parallel. 3. Voltage Tolerance: includes line regulation, load regulation and set-up tolerance. 4. All specifications not specially mentioned are measured at 115Vac and 25°C ambient temperature.					

Derating Curve



Dimming Control



Mechanical Specification

