

Model: GP-RS35P Series

■ Features

- Universal AC Input 90~305VAC.
- Constant Voltage / Constant Current Operation.
- Constant Current Operation for Dimming Type.
- Double Insulation Cable Wire.
- For High Brightness Light-Emitting Diode Products.
- Built-in PFC Function.
- Built-in 3-in-1 Dimming for CA Type.
- Fully Isolated Plastic Case.
- Protections: OVP / SCP / OTP.
- Operation From -20°C ~50°C Full Load.
- Class 2 Power Supply Unit.
- When Using Constant Voltage Only 80% Load.
- IP67 Class.

■ Approvals

CE FC cULus IP67 SELV



■ Size

110 x 73.5 x 33 mm (L x W x H)



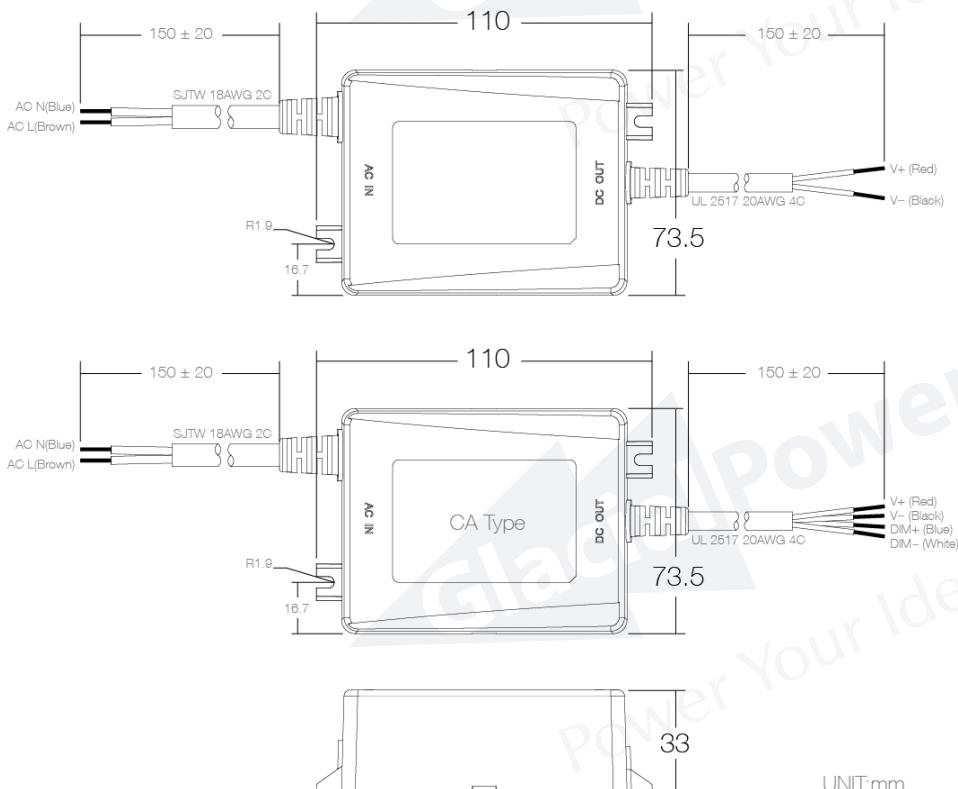
■ Specifications

A: mean that dimming function

Model No.		GP-RS35P-12C(A)	GP-RS35P-24C(A)	GP-RS35P-36C(A)
Output	DC Voltage Range	9 ~ 12V	14 ~ 24V	24 ~ 36V
	Rated Current	2500mA	1400mA	1000mA
	Rated Power	30W	33.6W	36W
	Ripple & Noise(Max.)	200mV	200mV	250mV
	Efficiency at 240VAC(Typ.)	80%	81%	82%
	Current Tolerance	±5%		
	Dimming Control	PWM dimming: 1<Vadj<10V(500Hz ~ 3KHz)		
		Analog Dimming Control: control by external voltage 1 ~ 10VDC		
		Resistance Dimming:10K - 100KΩ		
	Set up time (Max.)	2 Sec / 120VAC / full load		
Model No.		GP-RS35P-42C(A)	GP-RS35P-48C(A)	GP-RS35P-57C(A)
Output	DC Voltage Range	33 ~ 42V	33 ~ 48V	40 ~ 57V
	Rated Current	800mA	700mA	500mA
	Rated Power	33.6W	33.6W	28.5W
	Ripple & Noise(Max.)	250mV	250mV	300mV
	Efficiency at 240VAC(Typ.)	82%	83%	82%
	Current Tolerance	±5%		
	Dimming Control	PWM dimming: 1<Vadj<10V(500Hz ~ 3KHz)		
		Analog Dimming Control: control by external voltage 1 ~ 10VDC		
		Resistance Dimming:10K - 100KΩ		
	Set up time (Max.)	2 Sec / 120VAC / full load		
Input	Nominal Voltage Range(TYP.)	100 ~ 277VAC		
	Voltage Range (Min/Max)	90 ~ 305VAC		
	Frequency Range	47 ~ 63 Hz		
	AC Current (Max.)	0.5A at 120VAC / 0.3A at 240VAC		

	Power Factor	>0.98 at 120VAC / full load / >0.95 at 240VAC / full load / >0.9 at 277VAC / full load
	Inrush Current (Max.)	COLD START 60A at 264VAC
	Leakage Current	<0.25mA / 230VAC
Protections	Short Circuit	Type: Hiccup mode & recovers after fault condition disappeared.
	Over Voltage	115% ~ 135% Output Voltage Type: Latch mode
	Over Temperature	Thermistor: 105°C ± 10°C (tc: 85°C ± 10°C) Type: Latch mode
Environment	Operation Temperature	-20°C ~ 50°C full load
	Operation Humidity	20% ~ 95% RH non-condensing.
	Storage Temp.	-40 ~ +80°C
	Storage Humidity	10% ~ 95% RH
	Vibration	10~500 Hz, 2G 10 min./1 cycle, period for 60 min. each along X, Y, Z axes.
Safety & EMC	Safety Standards	UL8750 , EN61347-1, EN61347-2-13, Independent ; IP67 Approved.
	Withstand Voltage	Meet I/P-O/P: 3.75KVAC
	Isolation Resistance	Meet I/P-O/P: 100M ohms / 500VDC at 25°C
	EMI Conduction & Radiation	Meet Compliance to EN55015, FCC part 15
	Harmonic Current	Meet Compliance to EN61000-3-2 Class C
	EMS Immunity	Meet 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)	110 x 73.5 x 33mm; 372.5g/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. Current Tolerance: includes line regulation, load regulation and set-up tolerance.	

■ Mechanical Specification



■ Derating Curve

