

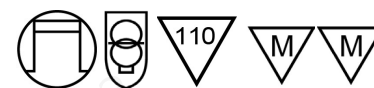
## Model: GP-CVM200P-xxVH(200W/230V) 200W Constant Voltage LED Driver with Triac Dimming

### Features

- AC phase-cut dimming
- Input range from 200VAC to 264VAC.
- Constant voltage mode.
- Active PFC design.
- Protections: OVP / OCP / SCP / OTP.
- Work with leading edge and trailing edge TRIAC dimmers.
- Surge protection with 4KV/2KV.
- Fully Insulated case with IP67 rated.
- Cooling by free air convection (Metal Housing).
- No-load power consumption < 0.5W at 230VAC.
- Suitable for LED strip, signage, light box and neon flex.
- High efficiency up to 90.5%

### Approvals

CE SELVIP67



### Size

250 x 80.3 x 33.5mm(L x W x H)



### Specifications

Model No.		GP-CVM200P-12VH	GP-CVM200P-24VH	GP-CVM200P-36VH	GP-CVM200P-48VH
Output	DC Voltage	12V	24V	36V	48V
	Rated Current	13.5A	8.3A	5.5A	4.15A
	Rated Power	162W	199.2W	198W	199.2W
	Ripple & Noise(Max.) <sup>note.2</sup>	200mV	350mV	400mV	500mV
	Efficiency (Typ.) <sup>note.1</sup>	90%	90.5%	90.5%	90.5%
	Voltage Tolerance <sup>Note.3</sup>	± 5%	± 5%	± 5%	± 5%
	Dimming Range	3%~100%			
	Minimum Load	70W			
	PWM Dimming	> 1600Hz			
Set up Time (Max.)	0.5S / 230VAC at full load				
Input	Rated Voltage	220~240VAC			
	Voltage Range	200~264VAC			
	Frequency Range	50/60 Hz			
	AC Current (Typ.)	1.1A at 230VAC			
	Power Factor	> 0.94 at 230VAC with full load.			
	Inrush Current (Typ.)	Cold Start 50A (Td=912us measured at 50% Ipeak) at 230VAC			
	Max. Number of PSUs on Circuit Breaker	B type : 1 unit (10A) / 2 units (16A) / 3 units (25A), C type : 2 units (10A) / 4 units (16A) / 6 units (25A), D type : 8 units (16A) / 13 units (25A) at 230VAC			
	Leakage Current(Typ.)	<1mA / 230VAC			
	No-load power consumption	< 0.5W at 230VAC (0.45W Typ.)			

Protections	Over Voltage	13V~19V	26V~38V	38V~50V	50V~65V
		Type:Hiccup mode (Auto recover after fault condition disappeared).			
	Over Current	105~180% rated current, Type: Latch Off(re-power on to recover).			
	Over Temperature	95°C±10%,Type: Latch Off (re-power on to recover).			
	Short Circuit	Type: Latch Off(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	meet EN61347-1,EN61347-2-13, independent. ,IP67 Approved.			
	Withstand Voltage	I/P - O/P : 3.75K VAC I/P-FG:1.88KVAC O/P-FG:0.5KVAC			
	Isolation Resistance	I/P-O/P,I/P-FG : 100M ohms , O/P-FG : 4M ohms / 500VDC at 25°C			
	EMI Conduction & Radiation	Compliance to EN55015			
	Harmonic Current	Compliance to EN61000-3-2 Class C(100% load), EN61000-3-3			
	EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11; EN61547			
Others	MTBF	100K hours min. @Ta=25°C			
	Dimension (L x W x H)	250 x 80.3 x 33.5mm ;930g/pcs			
Note	<p>1. All parameters NOT specially mentioned are measured at230V/50HZ AC input, rated load and 25°C ambient temperature.</p> <p>2. Ripple &amp; Noise are measured at 20MHZ bandwidth oscilloscope and with0.1uf &amp; 47uf parallel capacitorat 100% duty output</p> <p>3. Voltage Tolerance: includes line regulation, load regulation and set-up tolerance.</p> <p>4. The power supply is considered a component which will beinstalled a final equipment.</p> <p>The final equipment must be re-confirmed that it still meets EMC directives.</p>				

# GlacialPower<sup>®</sup>

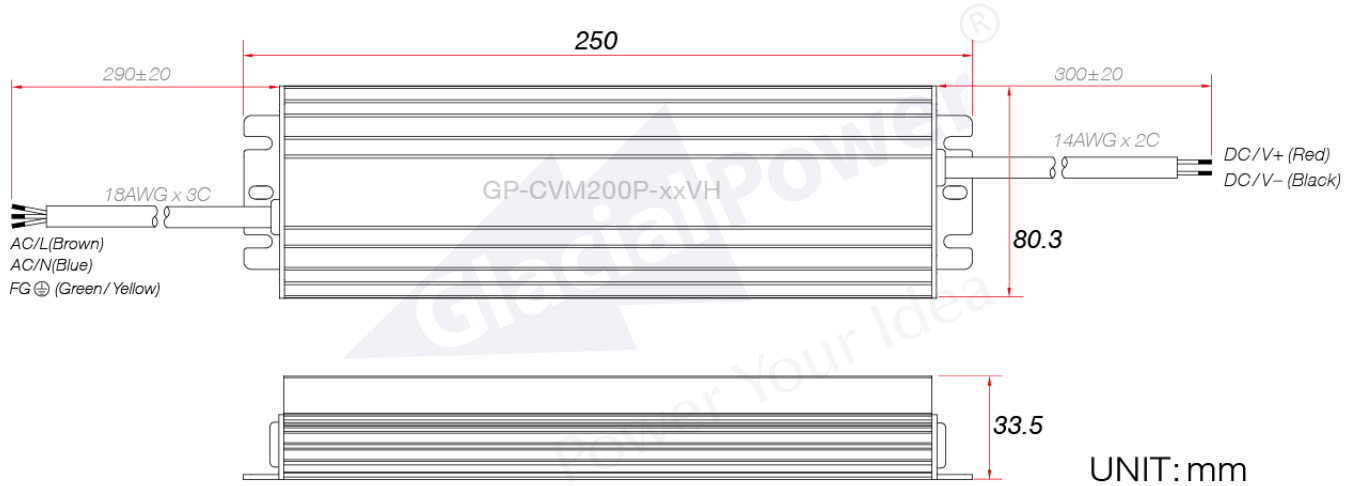
The excellent heat dissipation design of GlacialPower GP-CVM LED driver to ensure high and stable reliability for long-term use.

Very low profile design of aluminum housing – Quickly transmit the heat from the inside components to the aluminum housing.

Large area of heat dissipation design – Quickly dissipate the heat from aluminum fins into the surrounding air.

■ GP-CVM600P Series (600W)

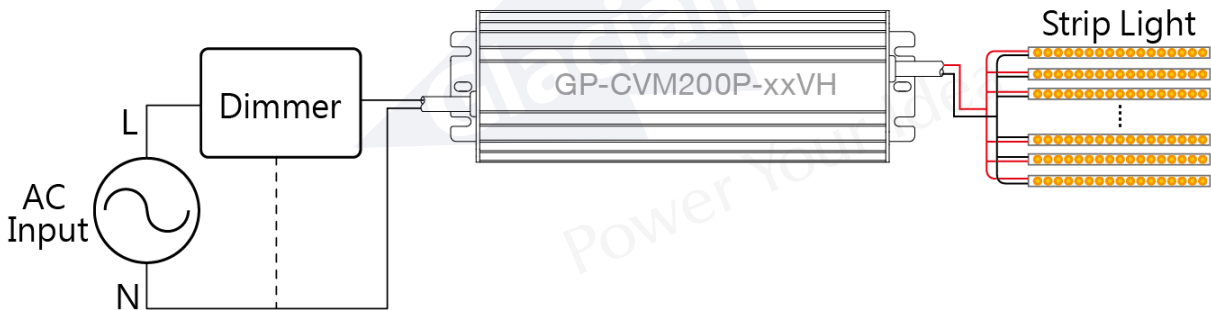
### Mechanical Specification



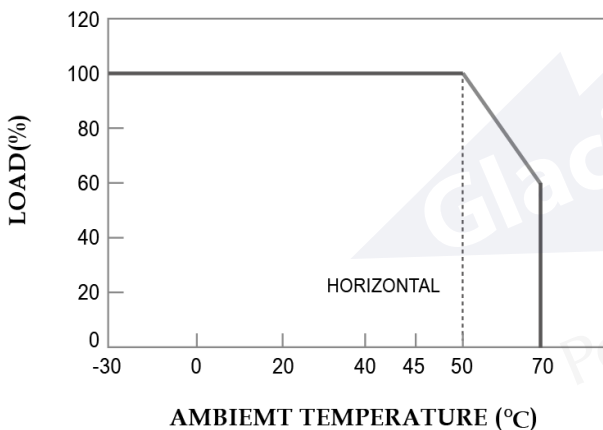
### Dimmer Recommended

Brand	Parts NO.
BERKER	286710
GIRA	245500

### Wiring Diagram

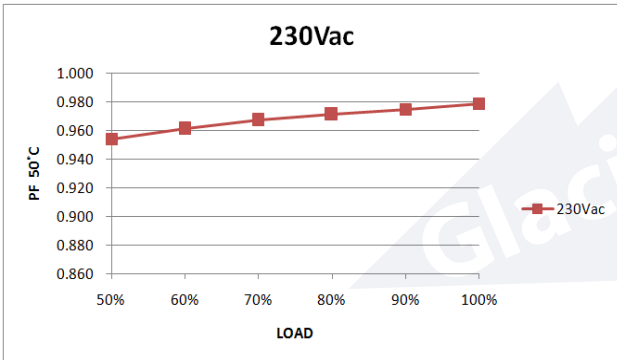


### Derating Curve



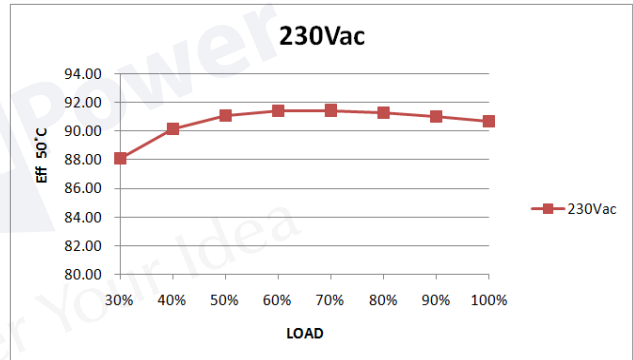
**Power Factor (PF) Characteristic (※Ta at 50°C)**

GP-CVM200P-24VH Model



**Efficiency vs Load (※Ta at 50°C)**

GP-CVM200P-24VH Model



**Application**

