

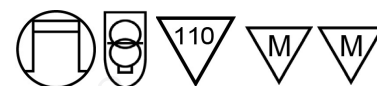
Model: GP-CVP075P-xxVH-T02(75W/230V)

75W 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 (TRIAC) and trailing edge (ELV) dimmers.
- No-load power consumption < 0.5W at 230VAC.
- Suitable for LED strip, signage, light box and neon flex.

■ Approvals



■ Size

204 x 53.5 x 30mm (L x W x H)

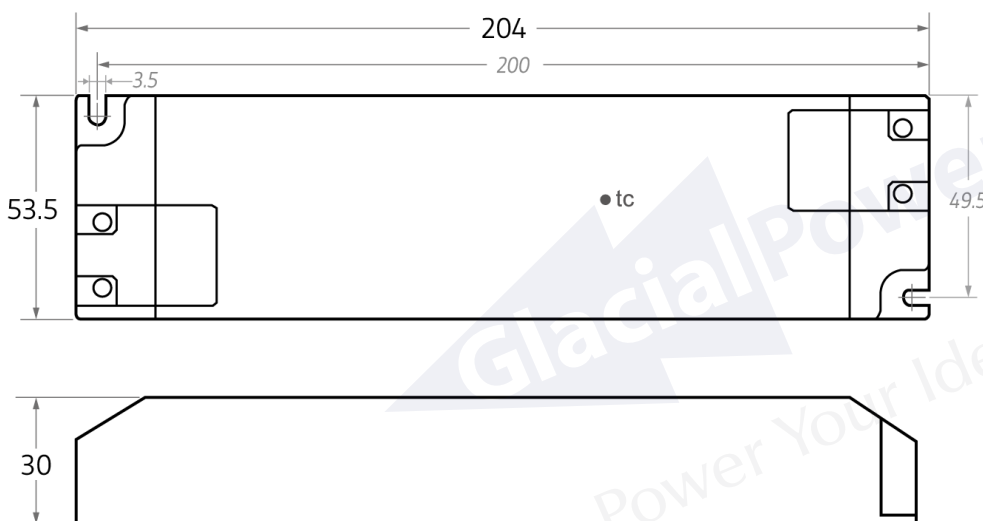


■ Specifications

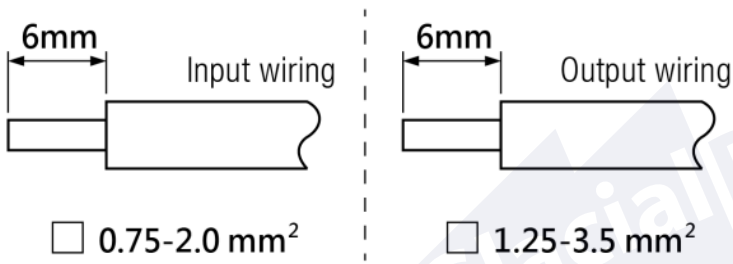
Model No.		GP-CVP075P-12VH	GP- CVP075P -24VH	GP- CVP075P -48VH
Output	DC Voltage	12V	24V	48V
	Rated Current	6.25A	3.15A	1.57A
	Rated Power	75W	75.6W	75.3W
	Ripple & Noise(Max.)note.2	240mV	480mV	960mV
	Efficiency (Typ.)note.1	88.5%	88%	88.5%
	Voltage Tolerance Note.3	± 5%	± 5%	± 5%
	Dimming Range	0.5%,7%~100%		
	Minimum Load	40W		
	PWM Dimming	>3600Hz		
	Set up Time (Max.)	0.5S / 230VAC at full load		
Input	Rated Voltage	220~240VAC		
	Voltage Range	200~264VAC		
	Frequency Range	50/60Hz		
	AC Current (Typ.)	0.42A at 230VAC		
	Power Factor	> 0.97at 230VAC with full load.		
	Total Harmonic Distortion	THD <20% at 230VAC, full load (without dimmer)		
	Inrush Current (Typ.)	Cold Start 15A (Td=1400us measured at 50% Ipeak) at 230VAC		
	Max. Number of PSUs on Circuit Breaker	B type : 3 unit (10A) / 6 units (16A) / 9 units (25A), C type : 6 units (10A) / 10 units (16A) / 15 units (25A), D type : 20 units (16A) / 31 units (25A) at 230VAC		
	Leakage Current(Typ.)	<0.75mA / 230VAC		
	No-load powerconsumption	< 0.5W at 230VAC (0.45W Typ.)		

Protections	Over Voltage	13.2V~18V	26.4V~36V	52.8V~72V
		Type:Hiccup mode (Auto recover after fault condition disappeared).		
	Over Current	110~150% rated current, Type: Hiccup mode (Auto recover after fault condition disappeared).		
	Over Temperature	Type: Shut down output, recovers automatically after temperature goes down		
Environment	Short Circuit	Type: Hiccup mode (Auto recover after fault condition disappeared).		
	Operation Temp.	-30°C ~45°C (Refer to output load derating curve)		
	Operation Humidity	20% ~ 90% RH non-condensing.		
	Storage Temp.	-40 ~ +80°C		
	Storage Humidity	10% ~ 90% RH		
Safety&EMC	Vibration	10~500 Hz, 2G 10 min./1 cycle, period for 60 min. each along X, Y, Z axes.		
	Safety Standards	EN61347-1,EN61347-2-13, independent.		
	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(100% load), EN61000-3-3		
Others	EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11; EN61547		
	MTBF	100K hours min. @Ta=25°C		
Note	Dimension (L x W x H)	204 x 53.5 x 30mm ;480g/pcs		
		1. All parameters NOT specially mentioned are measured at 230V/50Hz AC input, rated load and 25°C ambient temperature. 2. Ripple & Noise are measured at 20MHz bandwidth oscilloscope and with 0.1uf & 47uf parallel capacitor at 100% duty output 3. Voltage Tolerance: includes line regulation, load regulation and set-up tolerance. 4. The power supply is considered a component which will be installed a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. 5. The driver is suitable for connecting resistor current-limiting LED fixture (e.g. LED strip)		

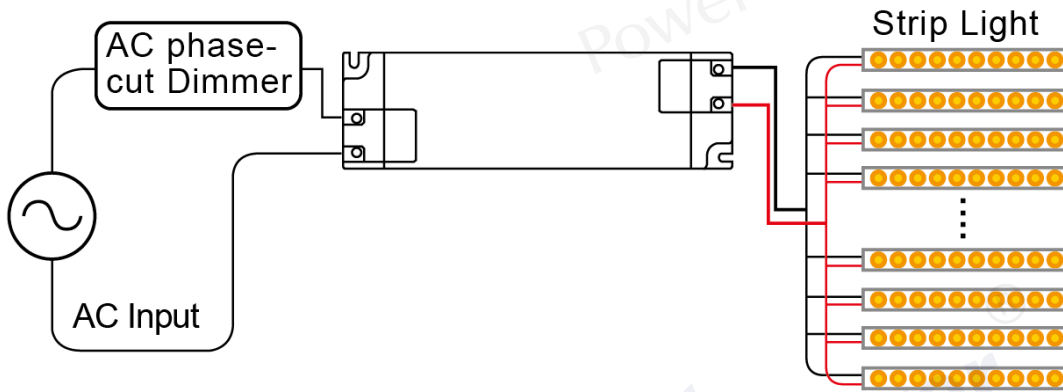
■ **Mechanical Specification**



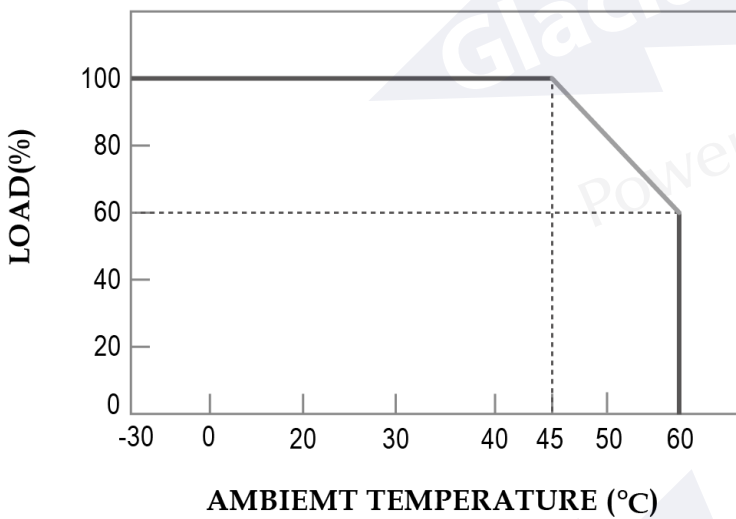
■ **Wire Range for Terminal Block**



■ **Wiring Diagram**



■ **Derating Curve**



■ **Dimmer Recommended**

Brand	Parts NO.
GIRA	245500