

100W SERIES

100W IP67 Dim Constant Voltage Waterproof LED Power Supply

IP67

CE



•Properties:

- Triac/ 0-10V/1-10V/10V PWM/Resistance dimmable
- Dimming range: 0~100%, LED start at 1% possible.
- 0-100% flicker-free, High frequency exemption level.
- Over load / Over temp. / Short circuit / Over voltage protection, recover automatically.
- Cooling by free air convection.
- 100% full load burn-in test.
- Suitable for internal lights application for I / II / III.
- Up to 50000-hour life time.

- Triac
- 0-10V
- 1-10V
- 10V PWM
- Resistors

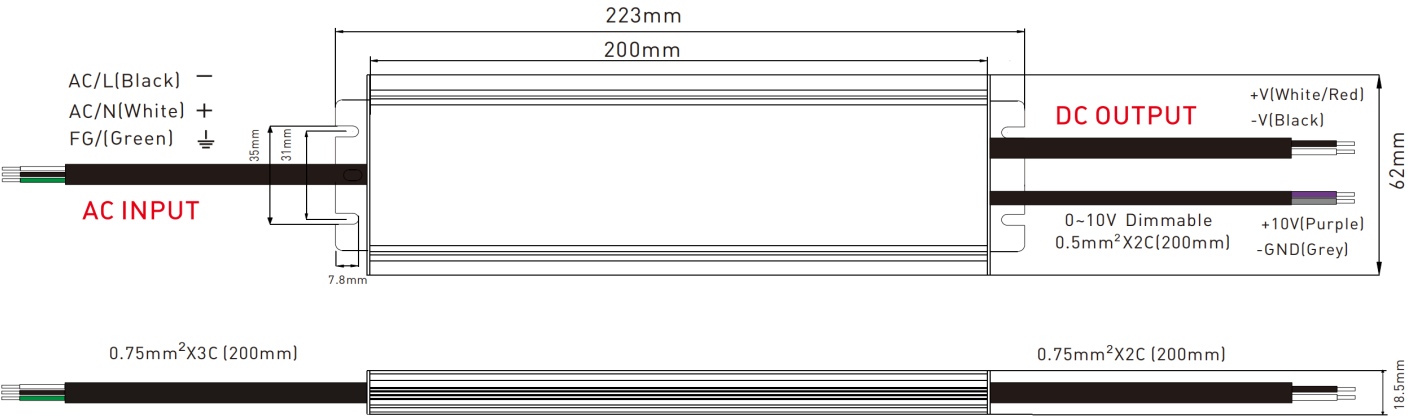


•Specifications:

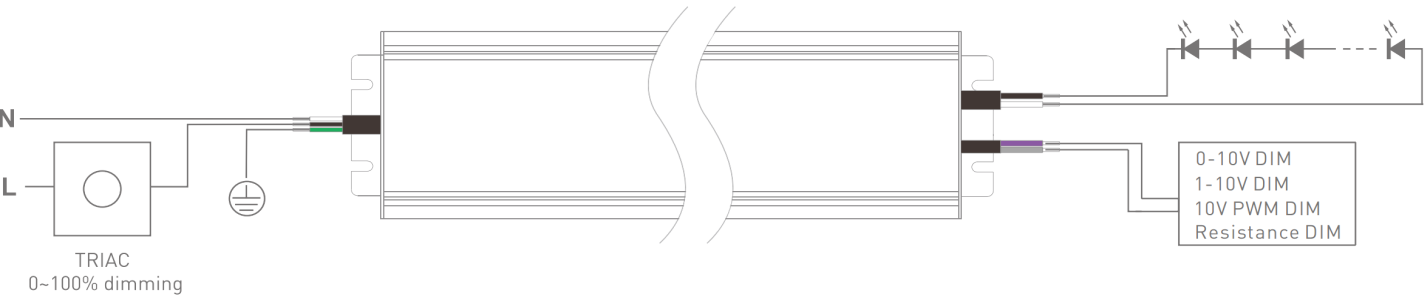
Product No.		GL-CVP12-100W-WPDIM	GL-CVP24-100W-WPDIM			
Output	Output voltage	12V	24V			
	Output current	Max 8.3A	Max 4.17A			
	Range of current	0-8.3A	0-4.17A			
	Output Power	100W Max	100W Max			
	Ripple&Noise max. ²	200mVp-p	400mVp-p			
	Voltage adjustment	12V±0.5V	24V±0.5V			
	Dimming range	0-100%, dimming depth: max 1%				
	With/without Strobe	No strobe				
Input	Dimming interface	Triac/ 0-10V/1-10V/10V PWM/Resistance dimmable				
	Voltage range	175-264VAC or 100-130VAC				
	Frequency range	50-60HZ				
	Efficiency (Typ)	90%	89%			
	AC current (Typ)	0.86A/230V, 1.5A/115V				
	Power Factor(Typ)	PF > 0.55 (230V @full load)				
	Non-load power consumption	<3W				
	Inrush current(Typ)	Cold Start 55A @230VAC				
	Control surge capability	L,N: 2KV, L,N-PE: 4KV				
	Leakage current	Max. 0.5mA				
Protection	Overload	Shut down o/p when current load ≥ 110%, the fault can be automatically recovered				
	Short circuit	1. When the 1st level short-circuit protection is triggered, the fault can be automatically recovered. 2. When the 2nd level short-circuit protection is triggered, re-power on to recover after fault is removed.				
	Over Temperature	Shut down o/p voltage, and re-power on to recover after fault is removed				
	Over Voltage	Shut down o/p, and re-power on to recover after fault is removed				

Environm ent	Working temp.	Ta: -30℃ - 50℃ tc: 80℃
	Working humidity	20~95% RH, without condense
	Storage temp &	-40~+80℃, 10~95% RH
	Temp. coefficient	±0.03%/℃ (0~50℃)
	Vibration proof	10~500Hz, 1G 12min. / 1 cycle, X、Y、Z axes 72 min each
Safety reg. & EMC	Safety regulation	IEC/EN61347-1; IEC/EN61347-2-13
	Voltage proof	I/P-O/P:3750Vac
	Insulation resistance	I/P-O/P, I/P-FG,O/P-FG:100MΩ/500VDC/25℃/70% RH
	EMC irradiation	EN 55015:2013; EN61000-3-2 Class C, IEC61000-3-3
	EMC disturbance	EN 61000-4-2,3,4,5,6,8,11:2014; EN 61547
	Strobe test Standard	IEEE 1789
Size&N.W	Dimensions	223x62x18.5mm(LxWxH)
	N.W.	0.47Kg
Notes	1.Unless otherwise stated, all data are taken under 230VAC input, rated load and 25℃ environment temp. 2.Ripple and noise: measured with a 12" double ripple cord connected in parallel with a 0.1μF and a 47 μF capacitor, on 20MHz and width. 3.Accuracy: including preset errors, linear adjustment rate and load adjustment rate. 4.Linear adjustment: taken under rated load from low voltage to high voltage. 5.Load adjustment: taken under 0~100% of rated load.	

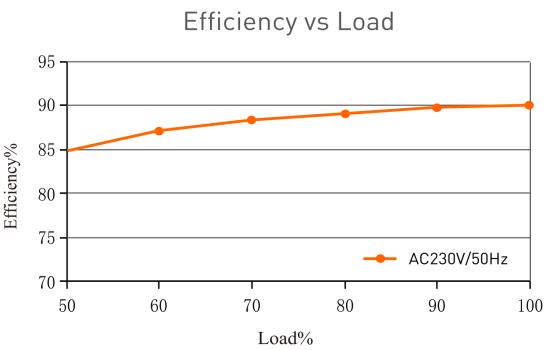
•Appearance&Dimensions:



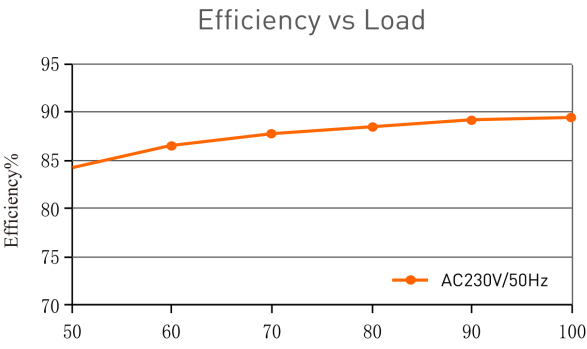
•Wiring Diagram:



•Efficiency&Load:

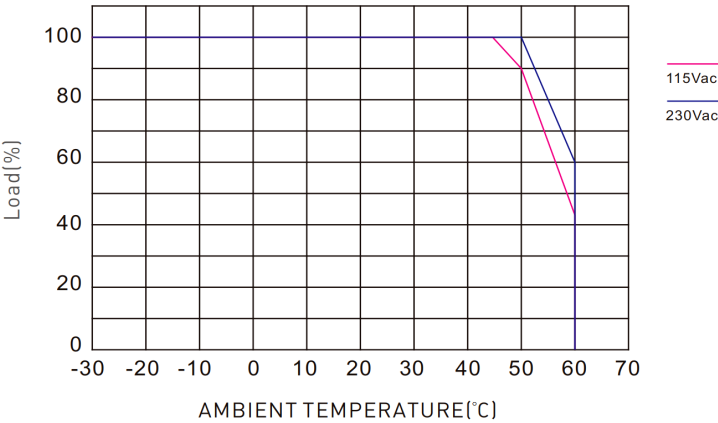


12V



24V

•Temperature load curve:



Carton Size: 50*26*16(cm)

Qty/Ctn: 30Pcs

Weigh/Ctn: 15Kg