

20W SERIES

20W Constant Voltage Waterproof LED Power Supply



•Properties:

- IP67 design for indoor or outdoor installation
- 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.
- Widely used in LED lighting, IT equipment ect..

IP67



CE

SELV

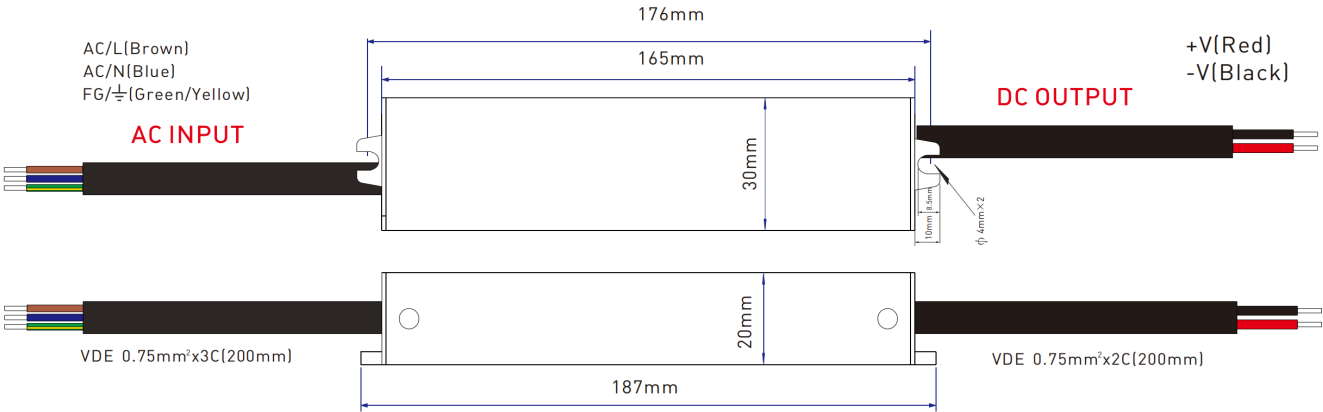


•Specifications:

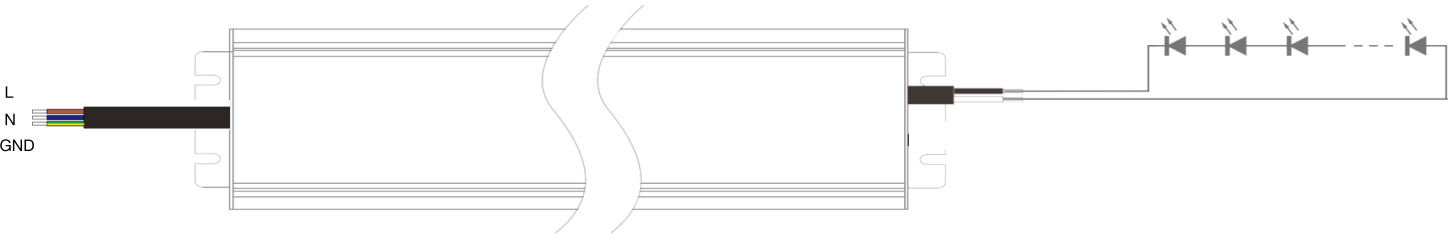
Product No.		GL-CVP12-20W-WP	GL-CVP24-20W-WP			
Output	Output voltage	12V	24V			
	Output current	Max 1.7A	Max 0.83A			
	Range of current	0-1.7A	0-0.83A			
	Output Power	20W Max	20W Max			
	Ripple&Noise max. ²	120mVp-p	240mVp-p			
	Voltage adjustment	12V±0.5V	24V±0.5V			
	Start-up Time (Typ)	500ms/230VAC 700ms/115VAC				
	Hold Up Time(Typ)	100ms/230VAC 100ms/115VAC				
	With/without Strobe	No strobe				
Input	Voltage range	100-264Vac				
	Frequency range	50-60HZ				
	Efficiency (Typ)	83%	85%			
	AC current (Typ)	0.19A/230Vac or 0.32A/115Vac				
	Power Factor(Typ)	PF>0.6 (230V @full load)				
	Non-load power consumption	<3W				
	Inrush current(Typ)	Cold Start 45A @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℃)
Safety reg. & EMC	Safety regulation	IEC/EN61347;IEC/EN60950;IP67
	Voltage proof	I/P-O/P:3750Vac
	Insulation resistance	I/P-O/P: 100MΩ/500VDC/25℃/70% RH
	EMC irradiation	EN55015:2013;EN61547:2009;
	EMC disturbance	EN61000-3-2:2014; EN61000-3-3:2013
	Strobe test Standard	IEEE 1789
Size&N.W	Dimensions	187x30x20mm(LxWxH)
	N.W.	0.2Kg
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.	

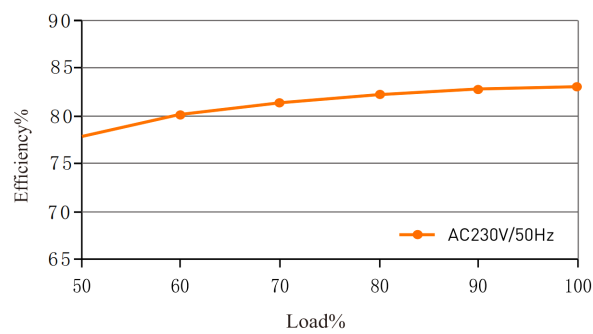
•Appearance&Dimensions:



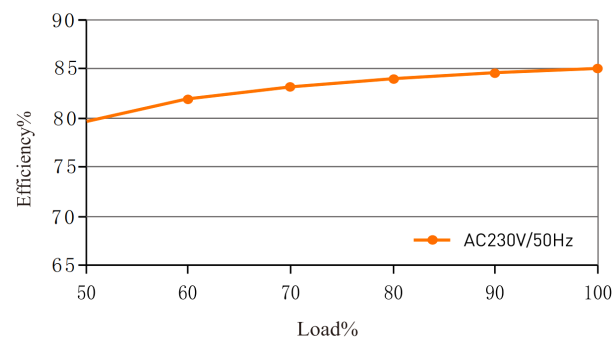
•Wiring Diagram:



•Efficiency&Load:

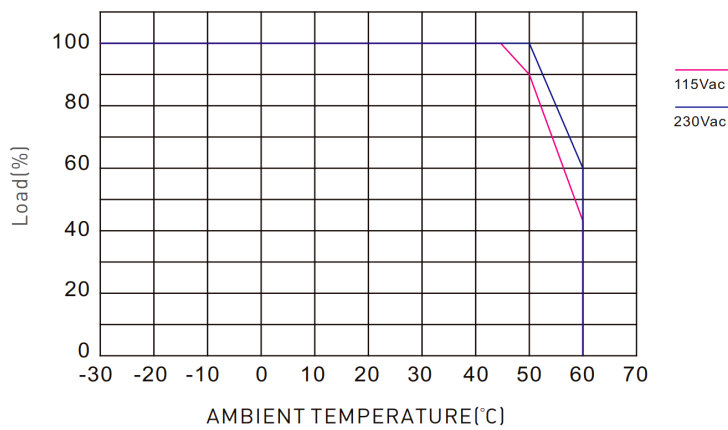


12V



24V

•Temperature load curve:



Carton Size: 40*25*20.5(cm)
Qty/Ctn: 50Pcs
Weigh/Ctn: 11.5Kg