



60W Waterproof LED Power Supply Single Output

SIZE

L:158mm
W:52 mm
H:32mm



■Features

- AC input: 176-264V
- Protection: short-circuit, overload, over voltage, over temperature
- 100% full-load aging test
- 300VAC surge for 5 seconds withstandable
- Working temperature up to 60℃
- 5G vibration tested
- High efficiency, long life span, and high reliability, low cost
- IP67 grade
- 2 years warranty

■Application

*Industrial automation machinery

*industrial control system

*LED lighting

*Mechanical and electrical equipment

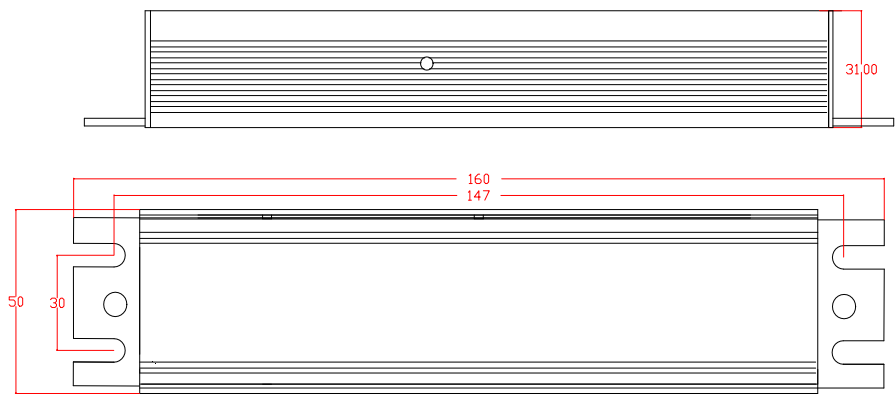
*Electronic instruments, equipments or apparatus



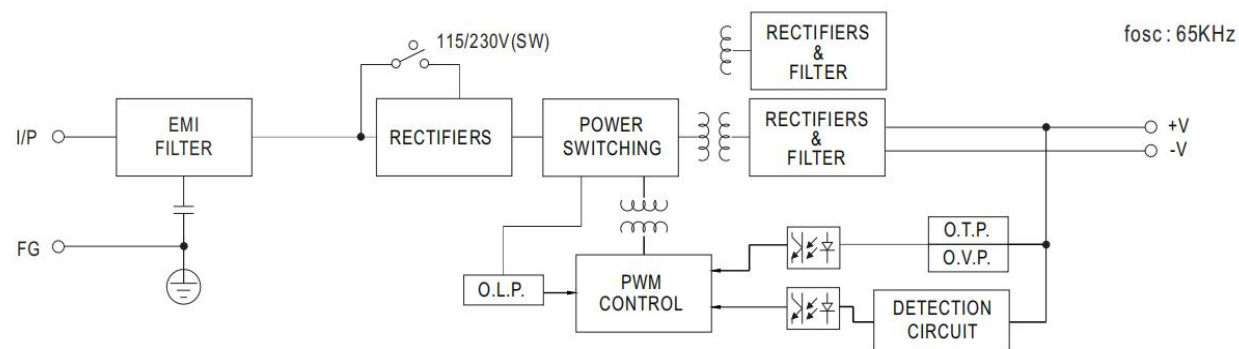
Specifications

Product No.		WPS-60-12	WPS-60-24
Output	DC voltage	12V	24V
	Rated Current	5A	2.5A
	Current Range	0-5A	0-2.5A
	Rated Power	60W	60W
	Ripple and Noise(Max)Note.2	220mVp-p	250mVp-p
	Voltage adjustment	11.6-12.4v	23.3-24.4V
	Voltage Accuracy Note3	±3%	±3%
	Linear Adjustment Note4	±0.5%	±0.5%
	Load Adjustment Note5	±2%	1.50%
	Start and rise time	1000ms,30ms/230VAC 1000ms,30ms/176V	
	Hold time (Typ)	50ms/230VAC 10ms/176AC	
Input	Voltage range	176-264VAC	
	Frequency range	47-63HZ	
	Efficiency (Typ)	84%	86%
	AC current (Typ)	0.82A/176V 0.52A/220V	
	Surge current (Typ)	Cold Start: 45A/230VAC	
	Current leak	<2mA/240VAC	
Protection	Overload	Range: 110%-140%	
		Type: Hiccup mode, auto-recovery	
	Overvoltage	115%-145% rated output voltage. Shut down o/p voltage, re-power on to recover	
Environment	Working temp.	-20~+60℃(Refer to the tenuation curve)	
	Working humidity	20~90% RH, without condense	
	Storage temp & hmdty	-30~+60℃	
	Temp. coefficient	±0.03%/℃ (0~50℃)	
	Vibration proof	10~500HZ,5G 10min / cycle, X、Y、Z axes 60 min each	
Safety reg. & EMC (Note.6)	Safety regulation	GB195110.1-2004/IEC61347-1:2003 CE(EMC+LVD)	
	Voltage proof	I/P-O:1.5KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC	
	insulation resistance	I/P-O/P, I/P-FG,O/P-FG:100M Ohms/500VDC/25℃/70% RH	
	EMC irradiation	EN 55032:2015+A11:2020;EN IEC61000-3-2:2019	
	EMC disturbance proof	EN61000-3-3:2013+A1:2019	
	Dimensions	158*52*32mm	
	Packing	0.85Kg	
Notes:	1. Unless specially indicated, 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 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. 6. Power supply is taken as part of the whole system, and needs to be confirmed with terminal instruments for EMC.		

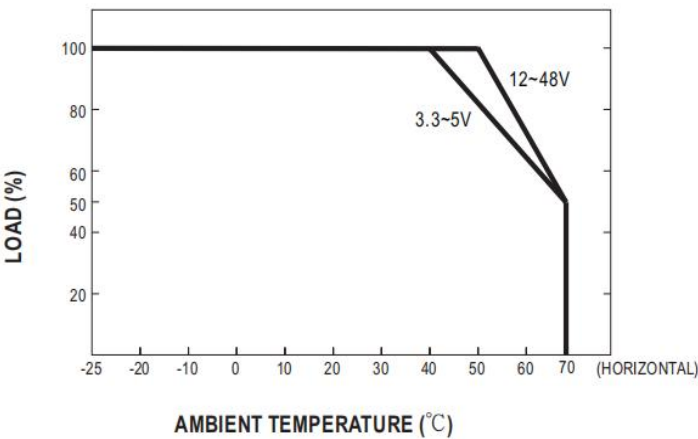
■Appearance



■Frame diagram



■Tenuation curve



■Static property curve

