TOP DRIVER®

60W/75W WATERPROOF SWITCHING POWER SUPPLY SINGLE OUTPUT WSL-60/75 series

(Dimension)
L:180 mm
W:58 mm
H:26mm
Weight: 0.432Kg

CE IP67

■Applications

.Industrial automation machinery
.Mechanical,electrical equipment
.LED slim lighting equipment
.IT communication equipment
.Aging equipment

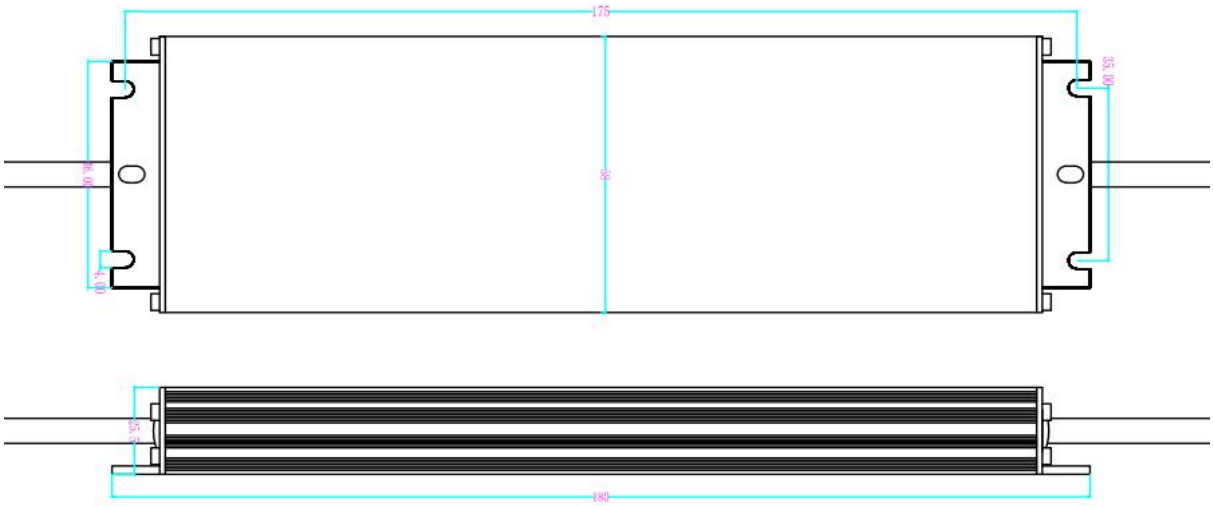
■Features

·Over-load,Over-temp. protection
·cooling by free air convection
·100% full load burn-in test
·Withstand 300VAC surge input for 5s
·No-load consumption＜0.7W
·Working temperature up to 60℃
·High efficiency,long life,high reliability
·5G vibration tested
2 years warranty

Specification

Product No.		WSL-60-12	WSL-75-12	WSL-60-24	WSL-75-24
Output	DC voltage	12V	12V	24V	24V
	Rated Current	5A	6.25A	2.5A	3.13A
	Current Range	0-5A	0-6.25A	0-2.5A	0-3.13A
	Rated Power	60W	75W	60W	75W
	Ripple and Noise(Max)Note.2	150mVp-p	150mVp-p	240mVp-p	240mVp-p
	Voltage adjustment	10.8-13.2V	10.8-13.2V	22-27.6V	22-27.6V
	Voltage tolerance Note3	±1%	±1%	±1%	±1%
	Linear Regulation Note4	±0.5%	±0.5%	±0.5%	±0.5%
	Load Regulation Note5	±0.5%	±0.5%	±0.5%	±0.5%
	Setup and rise time	1000ms,30ms/230VAC 110V/30mS			
	Hold up time（Typ）	50ms/230VAC 110V10mS			
Input	Voltage range	110-264VAC			
	Frequency range	50HZ			
	Efficiency（Typ）	83%	83%	86%	86%
	AC current （Typ）	0.56A/220V			
	Surge (Inrush) current (Typ)	Cold start：65A/230VAC			
	Leakage Current	<2mA/240VAC			
Protection	Overload	>105% rated output power			
		Protection type：Hiccup mode, recovers automatically after fault condition is removed			
	Over temperature	Overheat protection starts when temperature in transistor over 140℃			
		Recovers automatically after temperature is normal.			
Environment	Working temp.	-20～+60℃			
	Working humidity	20～90% RH,Non-condensing			
	Storage temp & hmdty	-40～+80℃			
	Temp. coefficient	±0.03%/℃ （0～50℃）			
	Vibration proof	10～500HZ,5G 10min/1 cycle，period for 60min. each along X、Y、Z axes			
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			
	Isolation resistance	I/P-O/P, I/P-FG,O/P-FG:100M Ohms/500VDC/25℃/70% RH			
	EMC irradiation	EN 55022A:2006;EN61000-3-2:1995+A2:2005			
	EMC disturbance proof	EN 61000-3-2:2006;			
Others	Dimensions	180*58*26mm(L*W*H)			
	Packing	0.432kg/PCS;30PCS/13kg			
Remark	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 on				
	3.Tolerance(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.				

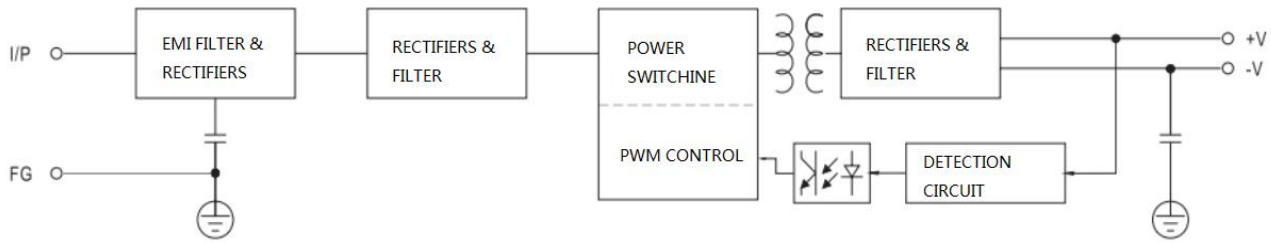
■Appearance



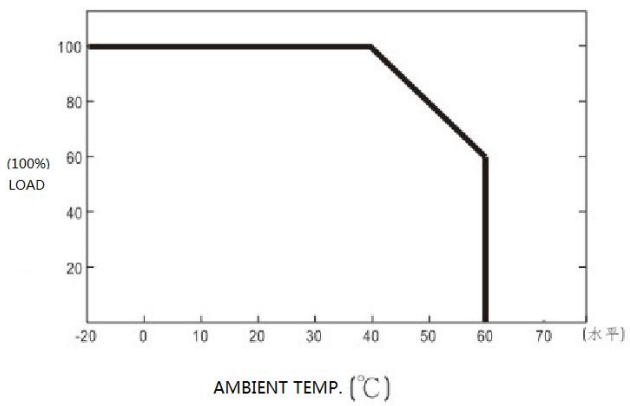
The lines definition

Line color	line function
red	OUTPUT+
black	OUTPUT-
yellow/green	FG
Bule	AC/N
Brown	AC/L

■Frame diagram



■Derating curve



■Static Characteristics