WEHO® 120W LED POWER SUPPLY SINGLE OUTPUT

■Features

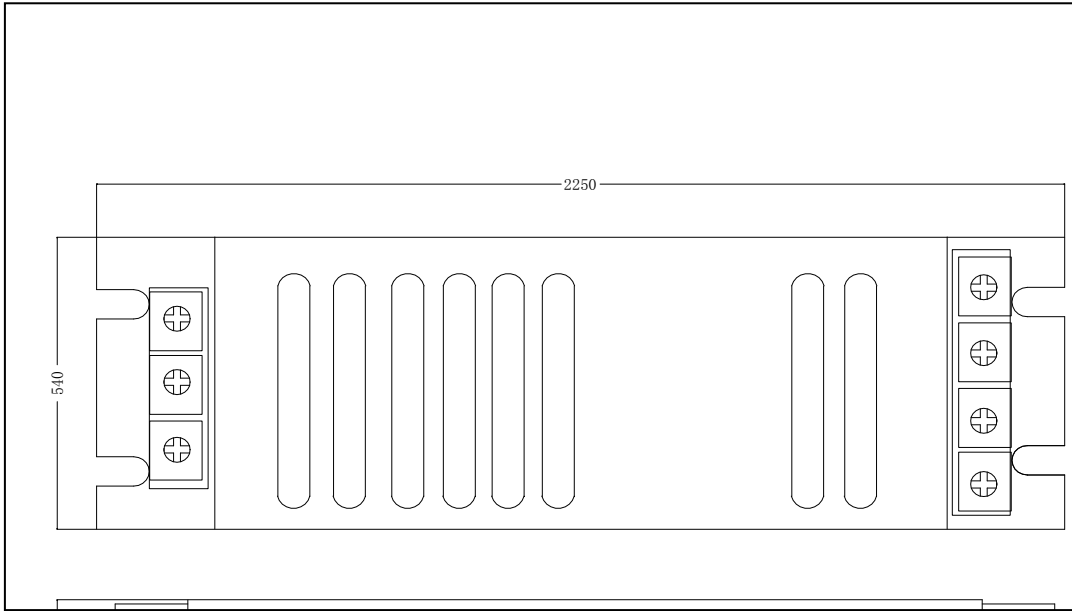·Double AC input voltage controlled by switch

·Protection: short-circuit, overload

·100% full-load aged

·300VAC surge for 5 seconds withstandable

·Working temperature up to 60℃

·5G vibration tested

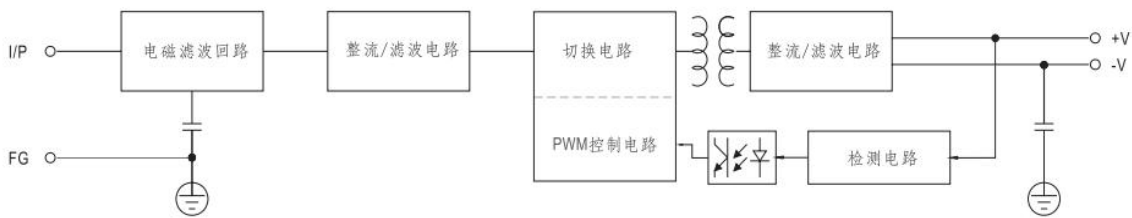·High efficiency, long life span, and high reliability

·2 years warranty

Specifications

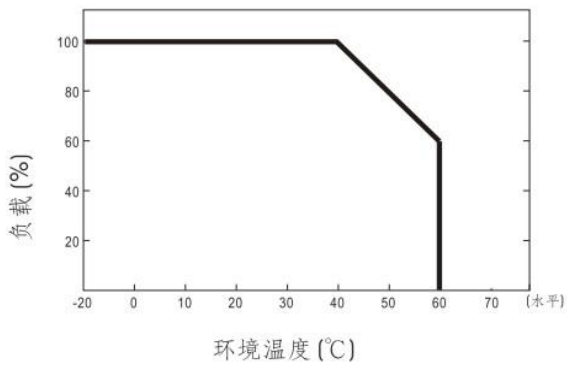|	Product No.	SL-120-12	SL-120-15	SL-120-24	SL-120-48		
Output	DC voltage	12V	15V	24V	48V		
	Rated Current	10A	8A	5A	2.5A		
	Current Range	0-10A	0-8A	0-5A	0-2.5A		
	Rated Power	120W	120W	120W	120W		
	Ripple and Noise(Max)Note.2	150mVp-p	180mVp-p	240mVp-p	250mVp-p		
	Voltage adjustment	10.8-13.2V	13.5-16.5V	22-27.6V	44-52V		
	Voltage Accuracy Note3	±1%	±1%	±1%	±1%		
	Linear Adjustment Note4	±0.5%	±0.5%	±0.5%	±0.5%		
	Load Adjustment Note5	±0.5%	±0.5%	±0.5%	±0.5%		
	Start and rise time	1000ms,30ms/230VAC 1000ms,30ms/110V					
	Hold time（Typ）	50ms/230VAC 10ms/115AC					
Input	Voltage range	176-264AC					
	Frequency range	50HZ					
	Efficiency（Typ）	85%	86%	87%	87%		
	AC current （Typ）	1.42A/176V 1.1A/220V					
	Surge current (Typ)	Cold Start：65A/230VAC					
	Current leak	<2mA/240VAC					
Protection	Overload	Larger than 105% of capacity					
		restoration after abnormity removed					
	Overvoltage						
	Overheat						
Environment	Working temp.	-20～+60℃(Refer to the tenuation curve)					
	Working humidity	20～90% RH, without condense					
	Storage temp & hmdty	-40～+80℃					
	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/P:1.5KVAC					
	insulation resistance	I/P-O/P:100M Ohms/500VDC/25℃/70% RH					
	EMC irradiation	EN 55015:2006;EN61000-3-2:1995+A2:2005					
	EMC disturbance proof	EN 61000-3-2:2006;					
	Dimensions	225*54*18mm(L*W*H)					
	Packing	0.38kg/PCS;50PCS/14.3kg					
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 on 20MHz bandwidth. 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

I/P — 电磁滤波回路 — 整流/滤波电路 — 切换电路 — 整流/滤波电路 — +V / -V

FG

PWM控制电路 — 检测电路

■Tenuation curve

负载 (%)

环境温度 (℃)

■Static property curve

Ta=25℃

负载 (%)

输入电压(VAC)60Hz