■Features

·Double AC input voltage controlled by switch
·Protection: short-circuit, overload, overheat
·Natural air cooled
·LED power indicator
·100% full-load aged
·Idle power < 0.8W
·Holds on 300 VAC surge for 5 sec.
·Working temperature up to 60℃
·5G vibration tested
·High efficiency, long life span, and high reliability
·2 years warranty

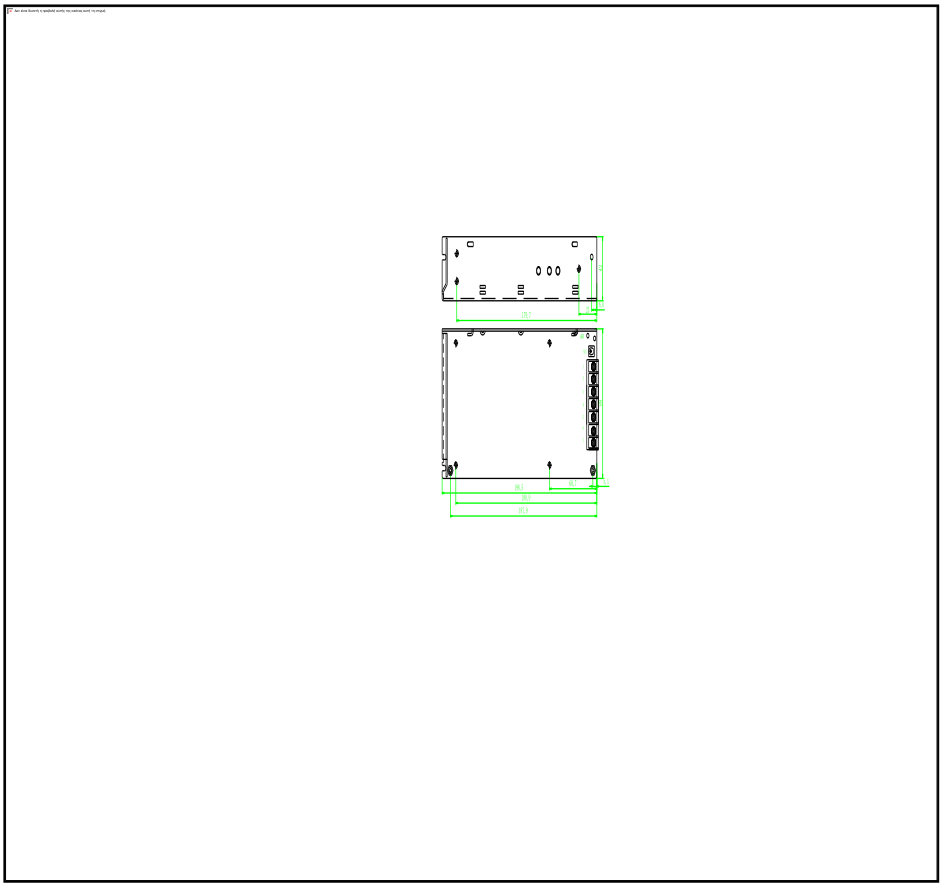
Specifications

Product No.		S-120-12	S-120-24				
Output	DC voltage	12V	24V				
	Capacity of current	10A	5A				
	Range of current	0-10A	0-5A				
	Power	120W	120W				
	Noise max. [2]	150mVp-p	240mVp-p				
	Voltage adjustment	10.8-	22-27.6V				
	Voltage accuracy [3]	±1%	±1%				
	Linear Adjustment [4]	±0.5%	±0.5%				
	Load adjustment [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	AC 110V±15%/AC 220±15% change by switch					
	Frequency range	50HZ/60HZ					
	Efficiency (Typ)	80%	81%	82%	82%		
	AC current (Typ)	2.28A/110V 1.14A/220V					
	Surge current (Typ)	Cold start: 65A/230VAC					
	Current leak	<2mA/240VAC					
Protection	Overload	Greater than 105% of capacity					
		Protection mode: hiccup, automatic restoration after abnormity removed					
	Overvoltage						
	Overheat						
Environment	Working temp.	-20～+60℃ (see 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	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 55015:2006;EN61000-3-2:1995+A2:2005					
	EMC disturbance proof	EN 61000-3-2:2006;					
	Dimensions	199*98*42mm(L*W*H)					
	Packing	0.55kg/PCS;28PCS/16kg					

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 47μF 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.

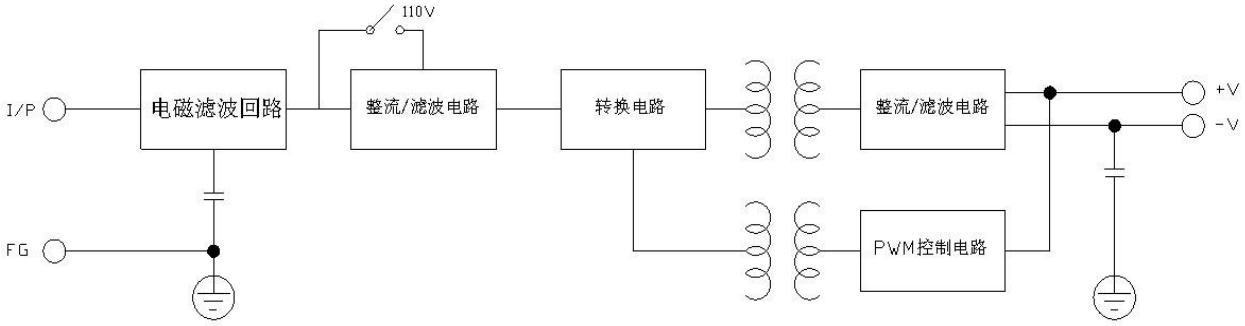
■Appearance



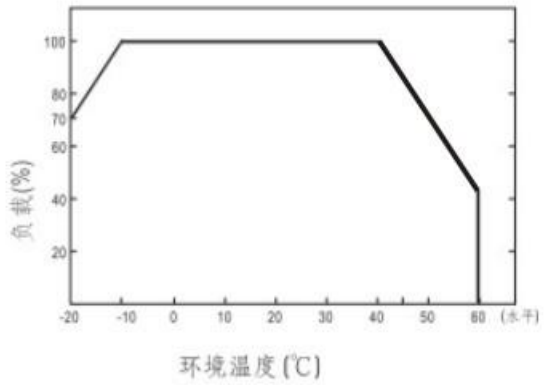
Terminal foot defi

Foot No.	Foot func
1	OUTPUT+
2	OUTPUT+
3	OUTPUT-
4	OUTPUT-
5	FG
6	AC/N
7	AC/L

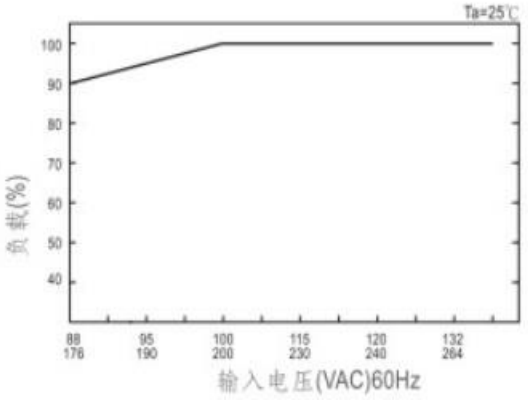
■Frame diagram



■Tenuation curve



■Static property curve



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