

## Product Overview

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**1.Features**

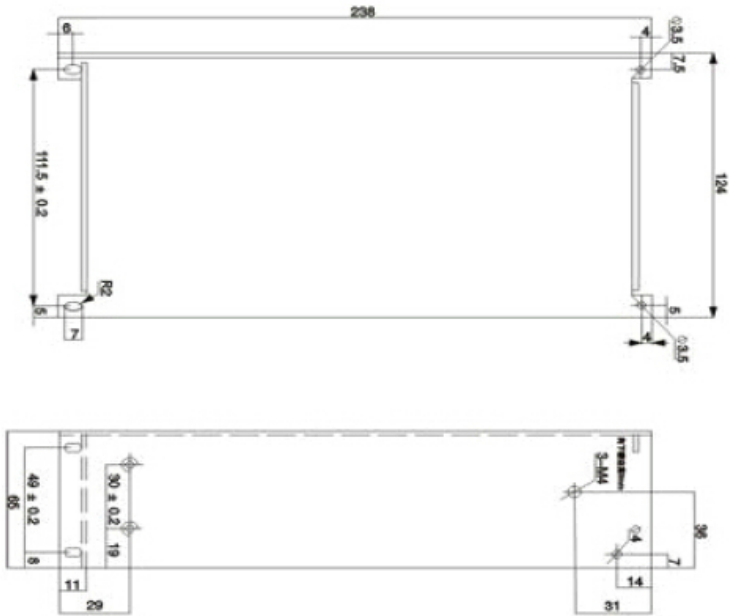
- Protections: short circuit/over load/over voltage /over temp
- AC input voltage range selected by switch
- Small volume, low weight, high efficiency
- 100% full load burn-in test
- 2 Year warranty
- Built-in cooling DC fan
- Cooling fan ON-OFF auto control
- LED indicator for power on

**2. Specification**

Model Specification		S-500-12	S-500-15	S-500-24	S-500-48
OUTPUT	DC output voltage	12V	15V	24V	48V
	Output voltage tolerance	±1%	±1%	±1%	±1%
	Rated output current	41.5A	33A	20.8A	10.5A
	Output current range	0~41.5A	0-33A	0-20.8A	0-10.5A
	Ripple & noise	200mVp-p	200mVp-p	240mVp-p	240mVp-p
	DC adjustable voltage range	10-13.2V	13.5-18V	20-26.4V	41-56V
	DC output power	500W	495W	500W	504W
	Inlet stability	±0.5%	±0.5%	±0.5%	±0.5%
	Load stability	±1%	±0.5%	±0.5%	±0.5%
	Setup rise hold up time	200ms,50ms,20ms			
INPUT	AC input voltage range	90~132VAC/180~264VAC selected by switch, 248~370VDC			
	Frequency range	47~63Hz;			
	Input current	6.5A/115V 4A/230V			
	AC impulse current	25A/115V 50A/230V			
	Leakage current	<3.5mA/240VAC			
	Efficiency	78%	81%	83%	84%
PROTECTION	Overload protection	105%~135%. Type,PULSING HICCUP SHUTDOWN; Reset,auto recovery			
	Over-voltage protection	13.8-16.2V	18-21V	27.6-32V	57.6-67.2V
	High-temperature protection	RTH3>=65°C FAN ON<=55°C FAN OFF>=80°C Cut off output(5~15V)			
		RTH3>=70°C FAN ON<=60°C FAN OFF>=85°C Cut off output(24~48V)			
ENVIRONMENT	Temperature coefficient	±0.03%/°C(0~50°C)			
	Vibration	10~500Hz,2G 10min./1cycle,Period for 60min,EACH AXES			
	Isolation resistance	Input & output interval,Input & enclosure,Output & enclosure,500VAC/100M Ohms			
	Working temp & humidity	-10°C~+50°C,20~90%RH			
	Store tempe & humidity	-20°C~+85°C,10~95%RH			
SAFETY & EMC Note 8	Withstand voltage	Input & output interval,1.5KVAC.Input & enclosure,1.5KVAC. Output & enclosure,0.5KVAC			

	Safety standards	Design refer to UL1012, EN60950-1,EN61347-1,EN-61347-2 approved
	EMC standards	EN55015,EN55022,EN55024,EN61000-2,EN61000-3,EN61547 approved
OTHERS	Overall dimension	(L×W×H) 241*124*65 mm
	Weight	1.4Kgs /10pcs per carton

3. Mechanical Dimension



4.Please Note

- 1.The testing condition for the parameter above is,230VAC input, rated load,25°C 70%Rh,Humidity
- 2.Error,include the setting error, line stability and load stability.(Note,5)
- 3.Wave test,adopting“A12”double wire for 20MHz,and 0.1uF&uF capacitor short-circuit for interrupting
- 4.Inlet voltage stability test, when is over load, the lowest voltage of inlet is representative to the highest voltage.
- 5.Load stability test: The load is from 0% to 100%,others 60%.
- 6.C2,3,11 must be knocked down