



## RSP-500W Single output power supply

### Summary

- > Single output: power 500W
- > Input voltage: 90~264VAC, 135~370VDC



### General Specification

215×115×30mm

Specification	Model	RSP-500-12	RSP-500-24	RSP-500-36	RSP-500-48
DC output voltage, current		12V 0 ~ 35A	24V 0 ~ 21A	36V 0 ~ 14A	48V 0 ~ 10.5A
Wave and noise		200mVp-p	200mVp-p	280mVp-p	300mVp-p
Line regulation rate		± 0.5%	± 0.5%	± 0.5%	± 0.5%
Load regulation rate		± 1%	± 0.5%	± 0.5%	± 0.5%
Efficiency		91%	92.5%	93%	94%
Adjustable range for DC voltage		± 10%	± 10%	± 10%	± 10%
Input voltage range		90~264VAC, 135~370VDC (Can withstand 300VAC surge input for 5 seconds without damage) 47~63Hz			
AC input current		5.0A/115V 3.0A/230VAC			
Power factor		PF≥0.99/115VAC, PF≥0.95/230VAC (When fully loaded)			
Impact current		Cold start current 40A/230VAC			
Overload protection		Overload protection is activated at 100%~125% of the rated output power. Protection method: Current limiting mode, automatically restores normal output after abnormal conditions are removed			
Overvoltage protection		Starting overvoltage protection at 115%~135% of rated output voltage. Protection method: Voltage limiting mode, which can automatically restore normal output after removing abnormal conditions			
Over temperature protection		85°C ± 10°C Protection method: Isolation mode, can automatically recover after the temperature returns to normal			
Setup, rise, hold up time		800ms, 50ms, 16ms/230VAC (When fully loaded)			
Withstand voltage		Input/output space (I/P~O/P): 1.5KVAC input to ground (I/P~FG): 1.5KVAC output to ground (O/P~FG): 0.5KVAC			
Insulation resistance		Input/output (I/P~O/P), input to ground (I/P~FG), output to ground (O/P~FG): 100M Ohms/500VDC/25 ° C/70% RH			
Working temperature/humidity		-20°C ~ +60°C 20%~90% RH, No condensation			
Dimension		215 × 115 × 30mm ( L*W*H )			
Packing		0.85kg/20pcs/18.5kg/0.003m³			

### Overall dimension(mm)

Terminal Pin Assignment

Pin number	Assignment	Pin number	Assignment
1	AC/L	4-6	DC OUTPUT -V
2	AC/N	7-9	DC OUTPUT +V
3	FG		

