

# VPS500 - Data Sheet



## SPECIFICATION

MODEL: VPS500		12V	24V	48V
OUTPUT	Rated Power	500W		
	Maximum Output Power	1000W SURGE POWER; 750W for 10sec, 1000w for 2sec		
	AC Voltage	200~240VAC (Standard) or 100~120VAC (Special Order)		
	Frequency	50Hz±0.1% (Standard) or 60Hz±0.1% (Special Order)		
	Waveform	Pure sine wave output (THD<3%) at rated input voltage		
	Socket Type	UK		
	Led Indicator Light	Inverter and Fault		
INPUT	Bat.Voltage	12V	24V	48V
	Voltage Range	10.8V-15.5V	21.6V-31V	43.2V-62V
	DC Current	50A	25A	12.5A
	No Load Consumption	<0.4A	<0.2A	<0.1A
	Efficiency	90% (Full Loading) / 95% (1/3 Loading)		
	Battery Types	Open & sealed lead acid battery		
BATTERY INPUT PROTECTION	Fuses	35A*4	20A*4	10A*4
	Low Voltage Alarm	10.8V± 0.2V	21.6V±0.4V	43.2V±0.8V
	Low Voltage Shut down	10.2V± 0.2V	20.4V±0.4V	40.8V±0.8V
	Over Voltage Shut down	15.5V±0.2V	31V±0.4V	62V±0.8V
	Reverse Polarity	By fuse open		
OUTPUT PROTECTION	Over Temperature	Shut Off Output Automatically, Temperature >75°C		
	Output Short	Protection type: Shut down o/p voltage, re-power on to recover		
	Over Load	Protection type: Shut down o/p voltage, re-power on to recover		
BUZZER ALARM	Low Battery Alarm	Buzzer sound 2 times and Red light blink 2 times every 8 sec		
	Low Battery Shutdown	Buzzer sound 3 times and Red light blink 3 times every 8 sec		
	Over Voltage Shutdown	Buzzer sound 4 times and Red light blink 4 times every 8 sec		
	Over temperature Shutdown	Buzzer sound 5 times and Red light blink 5 times every 8 sec		
	Short Circuit/Overload Shutdown	Red light blink constantly		
ENVIRONMENT	Working Temp.	-10°C ~ +50°C		
	Working Humidity	20% ~ 90% RH Non-Condensing		
	Storage Temp.	-30°C ~ +70°C		
SAFETY	CE EMC	Compliance to EN61000-3-2,3; EN55022;EN55024		
	CE LVD	Compliance to EN62040-1:2008		
	RoHS	Compliance to 2011/65/EU		
PACKING	Inner Box	315*195*135 mm, 2.5kg		
	Carton	420*340*460 mm, 15kg		
	Package	6pcs /Carton		
ACCESSORIES	Battery Cable	1x Positive, 1x Negative Battery Cables		
	User Manual	1x English Manual		
	Fuse	4x Replaceable fuses		

**Guaranteed Performance**

**1 Years Manufacturers Warranty**

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