



500W Lead-Acid(Pb-Acid) Battery Charger

Features Overview

1. The charger integrates power factor correction (PFC), it can avoid the impact of high current and can't produce pollution on the grid
2. The charger is designed with a wide input voltage range from 90-265 VAC making it an ideal choice for any worldwide application
3. Efficiency > 87% , Power Factor > 0.97
4. With MCU controller, CC+CV(H)+CV(L) 3-stages charge method
5. Designed for 24V~72V Pb-Acid battery

Protection

1. The charger's internal relay makes the output voltage is less than 5.5V with no-load, when the output is connected to a battery, the output voltage of charger is normal
2. Short circuit protection: when the output of charger is shorted , the charger will close output automatically without any damage
3. Reverse polarity protection: when the output is connected to a battery reversely , the charger will close output automatically without any damage
4. Overheating protection: the internal temperature exceeds 80 °C, the charger will close output automatically



Technical Specifications

AC Input						
Input Voltage Range	90~265VAC					
Nominal Input Voltage	120 VAC / 230 VAC RMS					
Input Frequency	45 - 65 Hz					
Input Current	5Arms @ 120 VAC or 3A rms @ 230 VAC					
Power Factor	0.99 @ 120 VAC / 0.98 @ 230 VAC					
Charger type		Pb-Acid battery charger				
DC Output	A500-24	A500-36	A500-48	A500-60	A500-72	
Output Voltage (no battery)	<4V	<4V	<5V	<5V	<5V	
Floating Charging Voltage	27.4V +-1%	41V +-1%	55V +-1%	69V +-1%	82V +-1%	
Bulk Charging Voltage Limit	29.4V +-1%	44V +-1%	59V +-1%	73V +-1%	88V +-1%	
Charging Current	14A +-5%	10A +-5%	7.5A +-5%	6A +-5%	5A +-5%	
LED Indicator	Power LED Red: power on Charging LED Off: no battery Red: charging Green: finished Red flashing: errors					
Efficiency	>87%					
Environment						
Operating Temperature	-10~40°C					
Operating Humidity	<90%					
Storage Temperature	-40~70°C					
Storage Humidity	<95% (non-condensing)					
Cooling	Fan cooling					
Safety						
Max Temperature rising	<20°C (on casing)					
Safety Standard	Meet EN60335/EN61000					
Hi-Pot Insulation	i/p to o/p: 1500AC (1 min.) (For final unit, cut-off current =10mA)					
Mechanical						
Weight	1.2Kg					
Dimensions (L×W×H)	223×126×71mm					
Input/Output Cord	Defined by user					