

PWM Solar Charge Controller

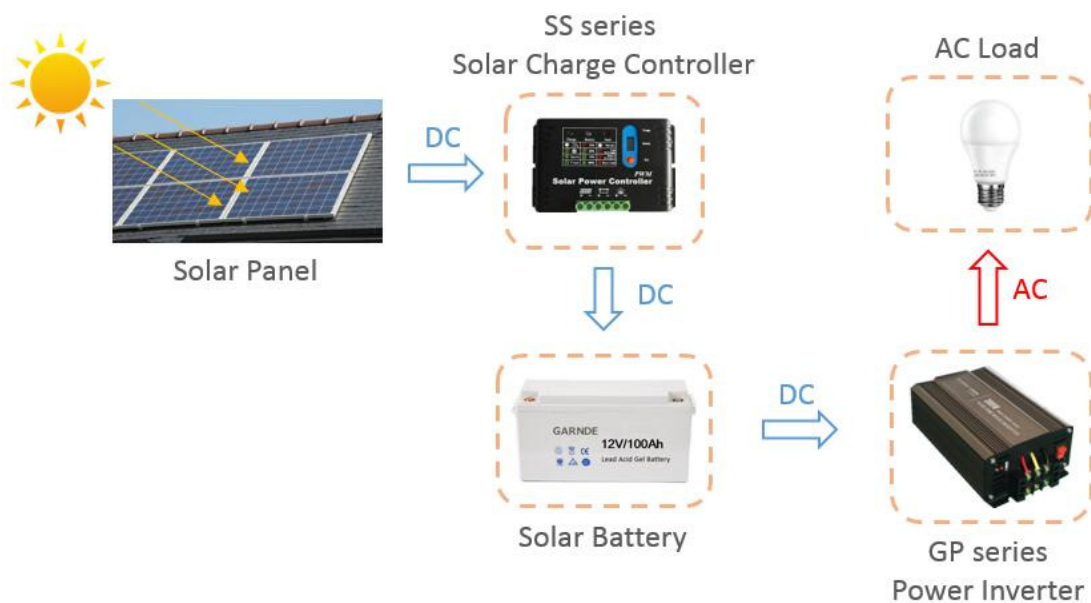
SS series



- REVERSE POLARITY PROTECTION
- OVERLOAD PROTECTION
- OVER CHARGING PROTECTION
- OVER DISCHARGING PROTECTION
- SHORT CIRCUIT PROTECTION

INTRODUCTION

SS series solar charge controllers are developed for off-grid solar system and energy storage solar system. Integrating highly efficient PWM charging, the adventurer increases battery lifespan by regulating the charge flowing from the solar panels to the battery bank.



FUNCTIONAL CHARACTERISTICS

- Can be used in 12V/24V/36V/48V/60V/72V off-grid solar power systems
- LED digital display and one button operation
- Balanced charge for battery every week to extend lifespan of battery
- Tandem type PWM charge main electric circuit, 3-6% higher charge efficiency than non-PWM, extend lifespan of solar system
- External temperature sensor, high precision temperature compensation
- Auto save of settings
- LED display for user to read running status of solar panels, batteries and loads
- Over-charge protection, over-discharge protection, over-load protection, short-circuit protection and battery wrong-connecting protection, anti-thunder-stroke protection

TECHNICAL SPECIFICATIONS

Model	SS24-15	SS24-20	SS24-30	SS48-10	SS48-20	SS48-30	SS60-10	SS60-20	SS72-10	
INPUT										
Max. PV Input Voltage	30V/50V			80V/100V			130V		160V	
Max. PV Input Power	12V	180W	240W	360W	/	/	/	/	/	/
	24V	360W	480W	720W	/	/	/	/	/	/
	36V	/	/	/	360W	720W	1080W	/	/	/
	48V	/	/	/	480W	960W	1440W	/	/	/
	60V	/	/	/	/	/	/	600W	1200W	/
	72V	/	/	/	/	/	/	/	/	720W
BATTERY CHARGING										
Battery System Voltage	12V/24V auto recognition			36V/48V auto recognition			60V		72V	
Max. Charging Current	15A	20A	30A	10A	20A	30A	10A	20A	10A	
Charging Mode	PWM									
Battery Types Supported	Lead Acid Battery, Gel Battery, Lithium Battery									
PROTECTION										
PV Input Over Voltage Protection; Over Current Protection; Under Voltage Protection; Overload Protection										
Short Circuit Protection; Over Temperature Protection										
OTHERS										
Own Consumption	< 10mA			< 20mA			< 20mA		< 20mA	
Ambient Temperature	-20℃ - 50℃									
Protection Grade	IP30									
Dimensions	142 x 84 x 24 mm (5.6 x 3.3 x 0.9 inches)									
Weight	0.3 kgs (0.7 lbs)						0.3 kgs (0.70 lbs)			
Packing	CTN: 32 x 38 x 15 cm, 40 pcs, 15.2 kgs (12.6 x 15.0 x 5.9 inches, 40 pcs, 33.5 lbs)									
Warranty	2 years									

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