

SS1203A solar controller instruction

Please read carefully before using

I Introduction

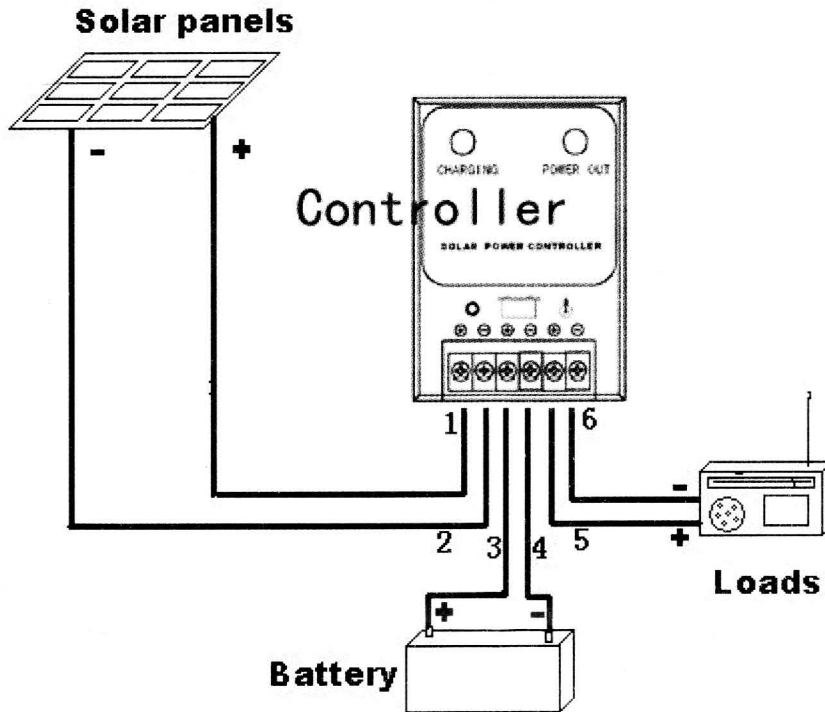
SS1203A solar controller is designed for small solar energy generation system. It takes the industrial-level microchip, integrated senser and non-touch control technology, with perfect over charge/discharge; converse connection and lightning strike protections. It is the high effect, energy saving, safety and sever environment tolerance advantage, that prolong the battery life cycle and keep the load working well. Its cheap cost and high stability can meet the need of the small solar PV energy generation system requirement.

II Technical data

Type	SS1203A	
Rated voltage (VDC)	12	
Rated load current (A)	3	
Max. PV watts (Wp)	36	
Over charge (V)	Protection	14.4±0.1
	Resume	13.3±0.1
Over discharge (V)	Protection	11.1±0.1
	Resume	13.2±0.1
Load Over voltage (V)	Protection	16.5±0.1
	Resume	15.0±0.1
Ambient temperature	-25℃~50℃ Industrial standard microchip	
altitude (m)	≤4500 meter	
Battery converse connection protection	Batter “+” “-” polarity converse connection. If the fuse broken, change it.	
Solar panel converse Connection protection	If the solar panel “+” “-” polarity converse connection, correct the polarity.	
Over current and short circuit protection	The load current is more than max, discharge current and the fuse broken, change the fuse.	
Battery open-circuit protection	When the solar panel is running and the battery is open-circuit, controller will restrict the load voltage to protect it.	

III Installation and usage

Please connect the controller according the drawing below. Firstly, connect the battery, then connect the solar panel, at last connect the load. The disassembly sequence is contrary to installation.



Notes

- 1、 Don't connect any AVR (automatic voltage regulation) or charger with the end of the solar panel
- 2、 Don't connect the battery with the end of the solar panel directly

IV Trouble elimination

Trouble	Method
No indication, no output	To check the fuse
Charge indicator flicker	The battery is not connected well.