



SUN'S ENERGY CO., LIMITED

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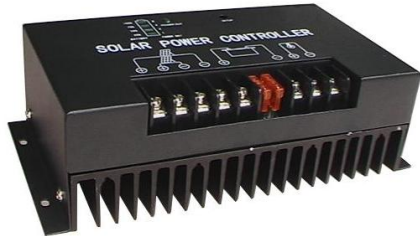
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Solar Controller with big current for solar power station



it is designed for medium size solar power station, with industrial electronic components, provides longer battery life and improved system performance. Sets new standards for reliability and self-diagnostics.

Model no: SPC-1250, 12V, 30-50A (for both pv and load)

Model no: SPC-2450, 24V, 30-50A (for both pv and load)

Model no: SPC-4850, 48V, 30-50A (for both pv and load)

Product Features:

- Microprocessor which is made in USA
- PWM charging mode
- Boost charging, equalising charging, float charging
- Automatic load reconnection, manual load switch
- Temperature compensation
- Full circuit protection, electronic fuse
- With timer option for solar street light system (1-15hrs)

TYPE		SPC-4850	SPC-2450	SPC-1250
Rating Voltage		48V	24V	12V
MAX. Input Power		2400W	1200W	600W
Current	Charge & discharge	50A	50A	50A
Charge	Equalized Charge	57.6V±1%	28.8V±1%	14.4V±1%
	Resume	53.2V±1%	26.6V±1%	13.3V±1%
	Floating charge	(54.0V-55.2V)±1%	(27.0V-27.6V)±1%	(13.5V-13.8)±1%
	Temp.Compensation	-72mV/°C	-36mV/°C	-18mV/°C
Start Voltage		49.6V±1%	24.6V±1%	12.3V±1%
Over Discharge	Shut off	44.4V±1%	22.2V±1%	11.1V±1%
	Resume	52.8V±1%	26.4V±1%	13.2V±1%
Over Voltage	Shut off	66V±1%	33V±1%	16.5V±1%
	Resume	60V±1%	30V±1%	15V±1%
Self consumption		≤10mA	≤10mA	≤10mA
Voltage of Light Open		≤8V±1%	≤4V±1%	≤2V±1%
Voltage of Light Shut		≥28V±1%	≥14V±1%	≥7V±1%
Max. Open-Circuit Voltage		100V	50V	25V
Voltage Drop		Input≤0.7V	Input≤0.6V	
		Output≤0.3V	Output≤0.3V	
Working Temperature		-25°C~+55°C		
Height		≤5500m(More than 2000m need reduce the power to use)		
Size & Weight		210mmx110mmx58mm	1.035Kg	

