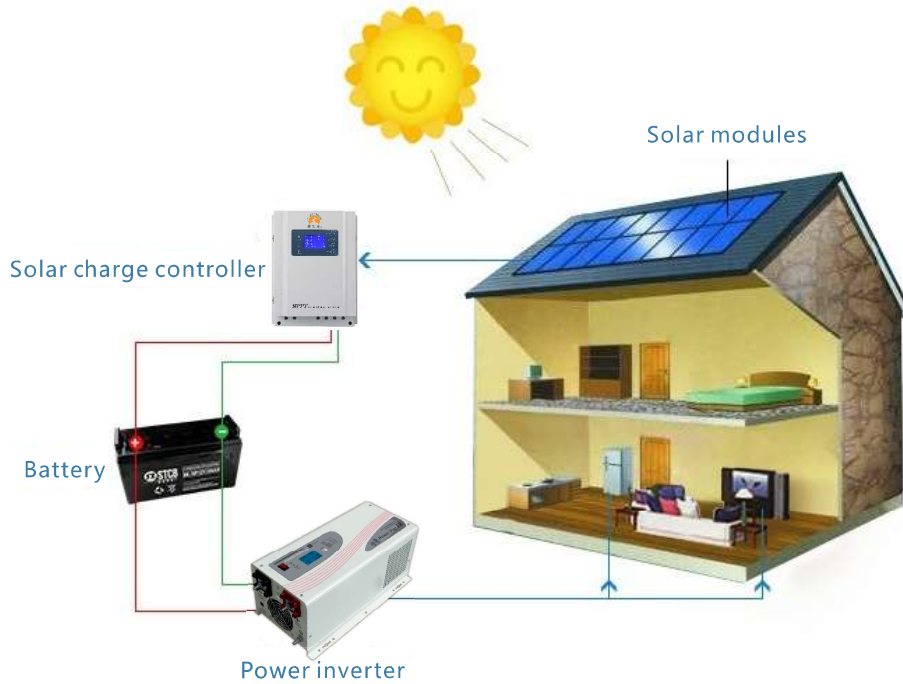


SOLAR SYSTEM CONNECTION



Features

1. This new controller is maximum power point tracking charging mode, peak efficiency up to 99%, saving 30%~60% solar panel than traditional PWM controller
2. With an automatic system voltage recognition system, it can ensure your batteries are being provided with the correct amount of charge at all times.
3. Three stages charge: fast charge (MPPT), constant voltage charge, floating charge, It can protect batteries well.
4. Users can choose 3 kinds of commonly standard batteries (Sealed lead acid, Vented, Gel,). Other kinds of batteries can be defined by users.
5. LCD display can show battery voltage and charging current. The software can display various parameters such as model number, PV input voltage, battery type, battery voltage, charging current, charging power, working condition.
6. RS485 communication, we can offer communication protocol also, it' s convenient for user' s integration management.

产品特性

1. MPPT控制器是最大功率点跟踪充电模式，最高MPPT跟踪效率高达99.9% 比传统的控制器（PWM）可节省30-60%的太阳能电池板；
2. 12V/24V 系列系统电池电压自动识别，方便客户使用；
3. 三个阶段：快速充电(MPPT),恒压充电、浮充充电，可以更好的保护电池；
4. 用户可以选择二种常用标准电池(铅酸电池、胶体电池)。其他类型的电池可以由用户定义的；
5. LCD可以显示电池电压、充电电流及各种参数。如：机型型号、输入电压、电池电压、充电电流等；
6. 默认RS485通信方式，可以提供通信协议,方便用户的集成管理。



12/24V 系列 Series

型号 Model:	SCM2420	SCM2430	SCM2440	SCM2450	SCM2460
推荐太阳能板输入功率 Max PVinput power	250/500W	380/750W	500/1000W	750/1500W	750/1500W
输出电流 Output Current	20A	30A	40A	50A	60A
MPPT输入电压范围 MPPT input voltage range	18-30VDC/30-80VDC				
推荐输入电压 PVinput Voltage	20V for 12V battery pack				
	40V for 24V battery pack				
电池系统电压 Battery system Voltage	12V/ 24V (Auto Work)				
输出电压 Charge Voltage	for 12V battery (10.8V~14.1V)				
	for 24V battery (21.6V~28.2V)				
系统效率 PV convert efficiency	≥96.5%				
MPPT跟踪效率 MPPT tracking efficiency	≥99.5%				
待机功耗 Standby consumption	≤10W				
通讯方式 Communication	RS485/ Ethernet(Optional)				
显示 Display	LCD+LED				
运行环境温度 Working temperature	-20C° ~ 55C°				
尺寸 宽*高*深 Size	W150*H75*D200mm				
重量 Weight	2.8kg				



保护功能：

- › 蓄电池过放保护
- › 蓄电池过充保护
- › 蓄电池极性反接保护
- › 蓄电池过热保护
- › 蓄电池温度补偿
- › 负载过载保护 (可自动恢复)
- › 负载短路保护 (可自动恢复)
- › 光伏组件极性反接保护
- › 输入过压保护
- › 输出过压保护
- › 过温保护



Protection:

- › Battery overdischarge protection
- › Battery overcharge protection
- › Battery reverse polarity protection
- › Battery over temperature protection
- › Battery temperature compensation
- › Load overload protection (self-recovery)
- › Load short circuit protection (self-recovery)
- › PV component reverse polarity protection
- › Input voltage protection
- › Output voltage protection
- › Over temperature protection



48V 系列 Series

型号 Model:	SCM4820	SCM4830	SCM4840	SCM4850	SCM4860
最大太阳能板输入功率 Max PV input power	1000W	1500W	2000W	2500W	2500W
输出电流 Output Current	20A	30A	40A	50A	60A
MPPT输入电压范围 MPPT input voltage range	70-150VDC				
推荐输入电压 PV Input Voltage	90V for 48V battery pack				
电池系统电压 Battery system Voltage	48V				
输出电压 Charge Voltage	43.2V-56.4V				
系统效率 PV convert efficiency	≥96.5%				
MPP跟踪效率 MPPT tracking efficiency	≥99.5%				
待机功耗 Standby consumption	≤10W				
通讯方式 Communication	RS485 / Ethernet(Optional)				
显示 Display	LCD+LED				
运行环境温度 Working temperature	-20C° ~ 55C°				
尺寸 宽*高*深 Size	W150*H70*D230mm				
重量 Weight	3.2kg				

96V 系列 Series

型号 Model:	SCM9620	SCM9630	SCM9640	SCM9650	SCM9660
最大太阳能板输入功率 Max PV input power	2100W	3200W	4300W	5300W	5300W
输出电流 Output Current	20A	30A	40A	50A	60A
MPPT输入电压范围 MPPT input voltage range	140-240VDC				
推荐输入电压 PV input Voltage	170V for 96V battery pack				
电池系统电压 Battery system Voltage	96V				
输出电压 Charge Voltage	86.40V-112.4V				
系统效率 PV convert efficiency	≥96.5%				
MPPT跟踪效率 MPPT tracking efficiency	≥99.5%				
待机功耗 Standby consumption	≤10W				
通讯方式 Communication	RS485/ Ethernet(Optional)				
显示 Display	LCD+LED				
运行环境温度 Working temperature	-20C° ~ 55C°				
尺寸 宽*高*深 Size	W180*H75*D255mm				
重量 Weight	3.6kg				