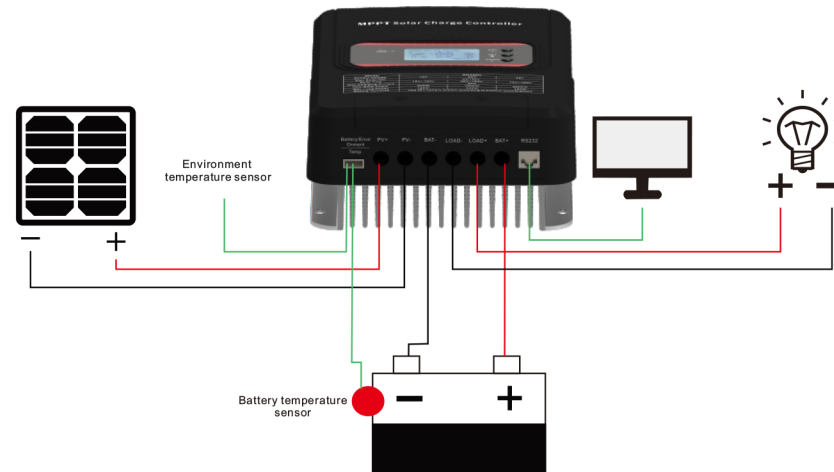


MPPT SOLAR CHARGE CONTROLLER



PROTECTION:

- ◆ PV input overvoltage protection
- ◆ PV input overcurrent protection
- ◆ Output overvoltage protection
- ◆ Output overcurrent protection
- ◆ PV/Battery Anti-reverse protection
- ◆ Over temperature protection
- ◆ Battery low/high voltage protection
- ◆ Load over current protection
- ◆ Load short circuit protection



Features:

- ◆ Advanced dual or multi-peak tracking technology, when the panel is shaded or some of the panel is damaged, the I-V curve will appear multiple peaks, and the controller can still accurately track the maximum power point.
- ◆ The built-in maximum power tracking algorithm can significantly improve the energy efficiency of photovoltaic system, which is about 15% and 20% higher than the traditional PWM charging efficiency.
- ◆ Combining multiple tracking algorithms, it can track accurately in a very short time. To the best working point of I-V curve.
- ◆ MPPT tracking efficiency can reach 99.9%.
- ◆ Maximum efficiency of 98%.
- ◆ LED and LCD Display Operation Status.
- ◆ TVS Lightning protection.
- ◆ Three-stage battery charging(quick, equilibrium, and float).
- ◆ Natural cooling.
- ◆ Temperature compensate for battery.
- ◆ Support for Gel, Sealed, Fluid, lithium batteries and other different types of battery charging procedures.
- ◆ Supporting charging current limitation
- ◆ Support capacitive load instant high current start.
- ◆ Support battery voltage automatic recognition.
- ◆ Over temperature protection.

Model	SE4830		SE4860	
PV Input (PV)				
Max.PV voltage (VOC)	135V(-20℃) 145V(25℃)			
System voltage	12V/24V/48V auto,36V Set			
MPPT voltage range	Battery voltage+3V-120V			
Suggest input Voc voltage	22V/40V/60V/80V			
Number of MPPT trackers	1		1	
Max.PV input power	12V	400W	800W	
	24V	800W	1600W	
	36V	1200W	2400W	
	48V	1600W	3200W	
Charging Output (DC)				
Max.output current (revisable)	30A		60A	
Rating load current	20A			
Max. capacitive load capacity	10000uF			
Ripple voltage	< 0.5%			
Applicable battery type (ex-factory default lead-acid battery)	Sealed lead-acid battery/colloidal battery/liquid-rich battery/lithium,other battery types can be customized			
Efficiency				
Conversion efficiency	≤ 98%			
MPPT efficiency	>99%			
Regular data				
Unloaded loss	< 1.5W		< 1.5W	
Operating temperature range	-20 ~ +45 ℃			
Elevation height	≤ 3000m			
Working humidity	0%to95%(no condensat)			
Cooling concept	Natural			
IP Rate	IP20			



MPPT Charging



Multi-peak tracking



automatic recognition



3-stage charging



Photovoltaic input 150 Voc



PC Communication



LCD Display



Waterproof grade