



## LIVOLTEK MPPT Charger Controller



### Intelligent and Efficient

Combined MPPT technology and DSP controller, LIVOLTEK MPPT controller will convert best voltage to charge battery based on various temperature, compared to traditional solar charge controllers, it allow your solar panels to operate at their optimum output voltage, providing high efficiency up to 98% with lower power loss.



### Proven Safety

With IP31 standard designed, the techniques protect your product from the ingress of water and dust.



## Features

- Intelligent maximum power point tracking technology
- Built-in-DSP controller with high performance
- Automatic battery voltage detection
- Battery temperature sensor (BTS) automatically provides temperature compensation
- Three stage charging optimizes battery performance
- Automatic load-detection
- Multifunctional LCD display detailed information
- Reverse polarity protection for solar panel and battery
- Overcharge and overload protection
- Suitable for different battery types

## Specifications

Model	SCM-3K-12		SCM-3K-24	SCM-3K-48
Input				
MPPT Range@Operating Voltage	60Vdc~115Vdc			
Max. PV Array Open Circuit Voltage	145Vdc			
Max. PV Array Power	800W	1600W		3200W
Max. Current	50A			
Output				
Nominal Battery Voltage	12Vdc	24Vdc		48Vdc
Connected Battery Type	Sealed lead acid,AGM or Gel			
Max. Charging Current	60A			
Max. Efficiency	98%			
Charging Period	bulk,absorption and floating			
Protection				
Overcharge Protection	Yes			
Polarity Reversal Protection @Solar Cell&Battery	Yes			
Indicators				
LCD Panel	LCD panel indicating solar power, load level, battery voltage/capacity,charging current ,fault conditions			
LED Display	three indicators, for solar, charging ,load status			
General Data				
Dimension D*W*H(mm)	315x165x128			
Net Weight (kgs)	4.5			
IP Protection	IP31			
Humidity	5~95%RH(Non-condensing)			
Operating Temp	0℃ to 55℃			
Storage Temp	-15℃ to 60℃			
Altitude	0~3000m			