

# Solar Charge Controller



ALOKOZIA LTD

[WWW.ALOKOZIA.COM](http://WWW.ALOKOZIA.COM)

# Solar Charge Controller



With advanced maximum-power-tracking technology, SCC-MPPT series ensures maximum performance from your solar array at all times and in all weather conditions. It's compatible to 4 different battery types, sealed lead acid, vented, gel and NiCd.

## Key Features:

- Main Features
- Intelligent Maximum Power Point Tracking technology increases efficiency 25%~30%
- Compatible for PV systems in 12V, 24V or 48V
- Three-stage charging optimizes battery performance
- Maximum charging current up to 60A
- Maximum efficiency up to 98%
- Battery temperature sensor (BTS) automatically provides temperature compensation
- Support wide range of lead-acid batteries including wet, AGM, and gel batteries
- Multifunction LCD displays detailed information

## Application

Solar charge controller is mainly used for solar power station, home solar power system, solar street light control system, mobile solar power system, DC wind solar generating systems.



Input



Input



Inverter

AC Load



Input



# Solar Charge Controller

Modle		Solar Charge Controller		
<b>INPUT</b>				
MPPT Range @Operating Voltage	60 ~115VDC			
Maximum PV Array Open Circuit Voltage	145VDC			
Maximum PV Array Power	800W	1600W	3200W	
Maximum Input Current	50A			
<b>OUTPUT</b>				
Nominal Battery Voltage	12VDC	24VDC	48VDC	
Connected Battery Type	Sealed lead acid, AGM or Gel			
Maximum Charge Current	60A			
Maximum Efficiency	98%			
Charging Method	Three stages: bulk, absorption and floating			
<b>PROTECTION</b>				
Overload Protection	> 110% : audible alarm			
Overcharge Protection	Yes			
Polarity Reversal Protection @ Solar Cell & Battery	Yes			
<b>INDICATORS</b>				
LCD Panel	LCD panel indicating solar power, load level, battery voltage/capacity, charging current, and fault conditions			
LED Display	Three indicators for solar, charging, and load status			
<b>PHYSICAL</b>				
Dimension, D x W x H (mm)	315 x 165 x 128			
Net Weight (kgs)	4.5			
Type of Mechanical Protection	IP 31			
<b>ENVIRONMENT</b>				
Humidity	0 ~ 100% RH (No condensing)			
Operating Temperature	-20°C to 55°C			
Storage Temperature	-40°C to 75°C			
Altitude	0 ~ 3000 m			

STANDARD: Conform to GB/IEC regulation : EMC:GB7260.2/IEC62040-2 GB/17626.2~5/IEC61000-4-2~5 SAFETY:GB4943

Note: Product specifications are subject to change without further notice.

[WWW.ALOKOZIA.COM](http://WWW.ALOKOZIA.COM)