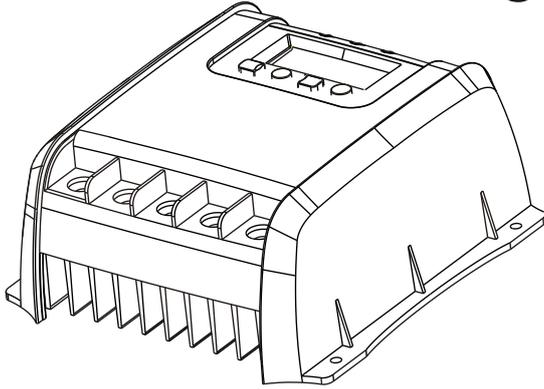


SOLAR CHARGE CONTROLLER SNC50/60 Series



User Manual

Thank you very much for buying our product ,Please read thoroughly before using the prouoct

Description of Functions

1. The charge controller automatically recognize 12V or 24V system.
2. Mainly suitable for small off-grid solar power system, for example: home solar power systems, ships, self-service base stations, outposts, etc.
3. LCD display various parameters of charge and discharge.
4. Boost charge voltage and battery low voltage protection point can be adjustable
5. The three-stage PWM charging mode
6. Load output can be manually controlled.
7. With high-precision temperature compensation function.
8. With electronic protection

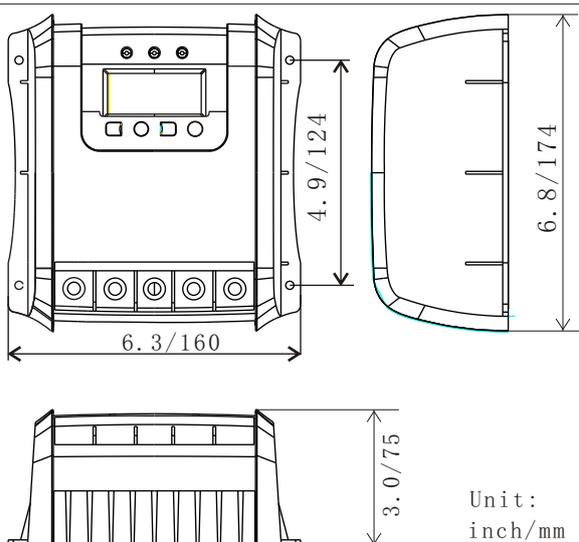
Attentions

The charge regulator is intended for use in photovoltaic systems with 12V or 24V nominal voltages, It shall be used with vented or sealed (VRLA) lead acid batteries only.

Safety Recommendations:

1. Batteries store a large amount of energy. Never short circuit a battery whatever.
2. Batteries can produce flammable gases. Avoid making sparks, using fire or any naked flame. Make sure that the battery room is ventilated.
3. Avoid touching or short circuiting wires and terminals. Be aware that the voltages on specific terminals and wires can be up to double of battery voltage. Use isolated tools. Stand on dry ground and keep your hands dry.

Installation



Please installed in the room, avoiding direct-clearance, do not install in the wet environment, when use it outdoor, please install controller and batteries in the same place, and the batteries installed in the same place, the controller can measuring the battery temperature, charge voltage regulation.

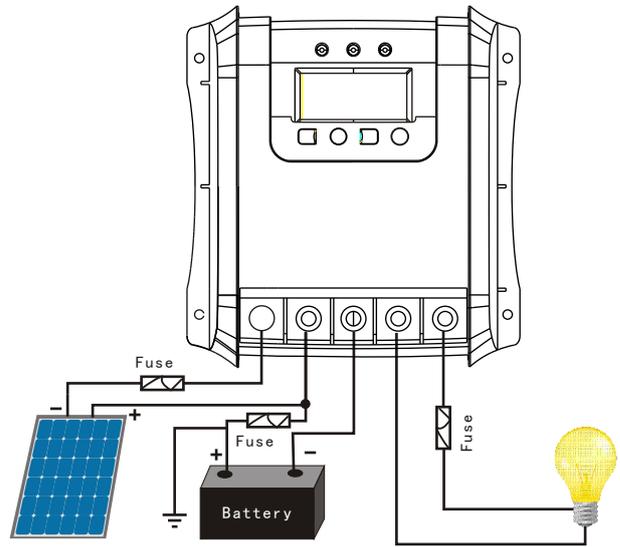
Attention:

1. Screws specifications M3 × 10
2. Make sure heat-location were not I blocke

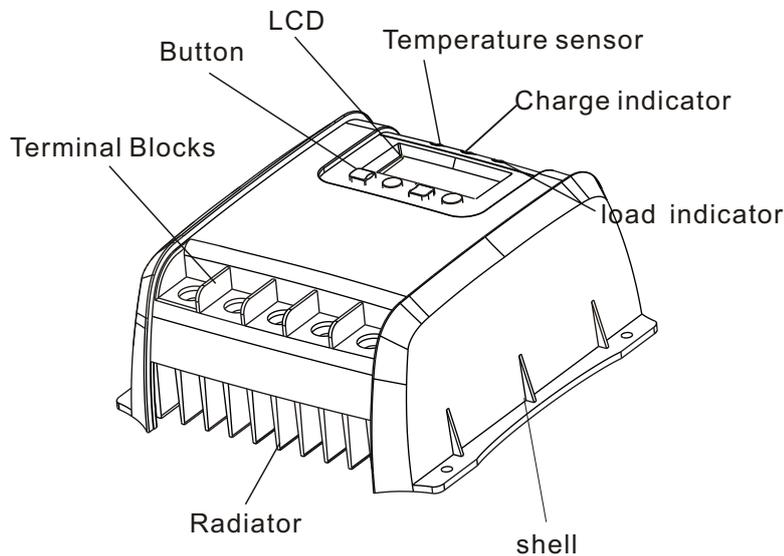
Connecting

1. Connect sequence 1. loads --2. battey --3. solar array
2. Wier size: 50A: Min10mm
60A: Min12mm²
3. Grounding the solar system: Be aware that the positive terminals of the SNC controller are connected internally and therefore have the same electrical potential. if any grounding is required ,always do this on the positive wires.

REMARK: Mind the recommendations of your battery manufacturer, we strongly recommend connecting a fuse directly to the battery to protect any short circuit at the battery wiring. The fuse must take the charge controller nominal current:
SNC50 : 100A
SNC60: 120A



Part Names

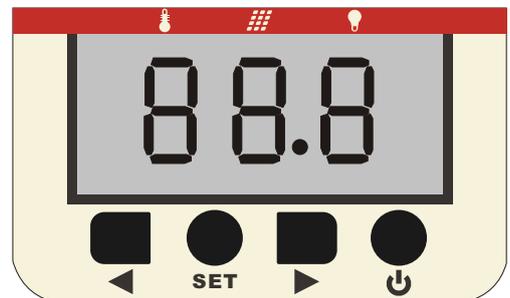
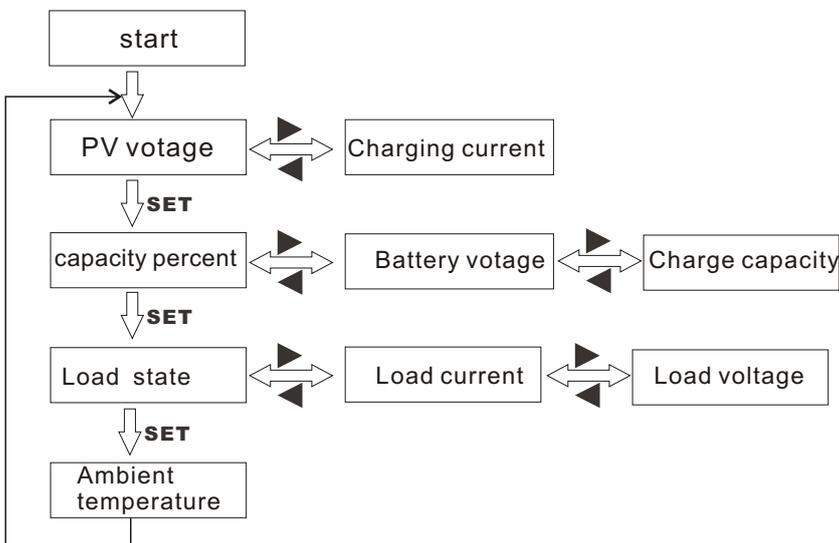


charge indicator (green LED)
ON: charging
OFF: no charging

charge indicator (Red LED)
ON: Stop output
OFF: Output normal

Operating

Parameter Browse



Key Description

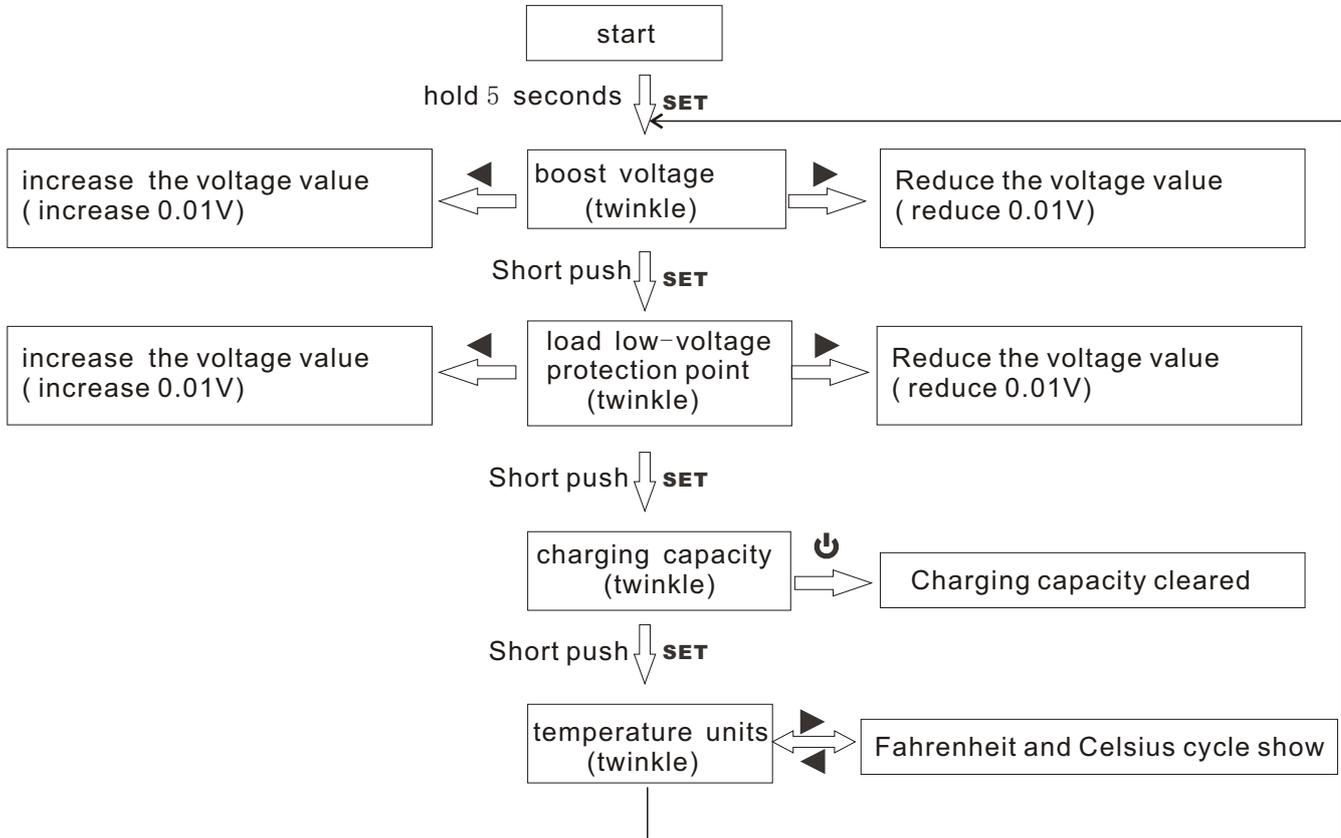
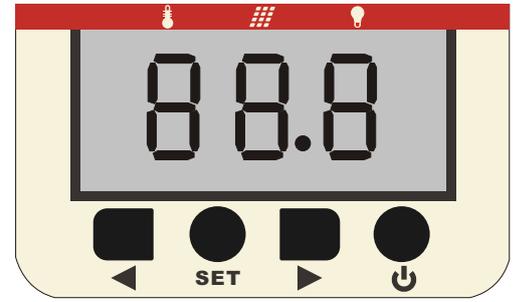
	Previous
	Function key, cycle display main menu
	Back
	Load ON/OFF

setting

The controller user can modify:

1. Boost voltage
2. Load low-voltage protection point
3. Temperature units
4. Charging capacity cleared

When you are make setting operation, the related number will twinkle. After you finish the setting, the twinkle will stop and the related number will save.



Technical Date

MODEL	SNC50	SNC60
Max. solar panel current	50A	60A
Max. load current	50A	60A
Use voltage	12V/24V, automatic recognition	
NO-load current	10 mA	
Overvoltage protection	15.5V/(12V system), 31V/(24V system)	
Work temperature range:	-35°C--+55°C	
Boost voltage	14.6V(12V system), 29.2V/(24V system) (The default value, it can be set)	
Equalization voltage	14.8V(12Vsystem), 29.6/(24V system)	
Float voltage	13.8V(12V system), 27.6V/(24V system)	
Recharge voltage	13.2V(12V system); 26.4/(24V system);	
Temperature compensation	-5mv/°C/2V	
Low-voltage disconnect	11V(12V system); 22V/(24V system); (The default value, it can be set))	
Load reconnect voltage	12.6V(12V system), 25.2V/(24V system) ;	
Charge control mode	PWM	
diplay mode	LCD	