



## 10Amp PWM Charge Controller

### Introduction:-

10A series controller is a kind of intelligent, multi-purpose solar charge and discharge controller.

The family use the fixed LCD display, with a very friendly interface; various control parameters can be flexibly set, fully meet your various application requirements. PWM Solar Charger Controller 10A, 12V/24V Auto with LCD Dual USB Solar Panel Regulator Charge Battery.

### Features:-

- Simple button operation
- Fully 4-stages PWM charge management
- Automatic Temperature (OverHeat) Compensation
- Battery reverse-discharge protection
- Low Voltage & Overcharge Protection
- Dual USB Output for charging phone
- Big LCD display with 5S backlight auto shut down
- Overload, Short Circuit & Open-circuit Protection
- Adjustable charge-discharge control parameters
- Battery (Dual mosfet) reverse connection protection
- Build-in industrial micro controller
- Power Off memory function

### Specification:-

Charge/Discharge Current	10A
Rated Voltage	12V/24V Auto
Charging Mode	PWM
Discharge Stop	10.7V(default,adjustable)
Float Charge	13.7V(default,adjustable)
Discharge Reconnection	12.6V(default,adjustable)
Self Consume	≤10mA
Max.Solar input	<50V
Operating Temperature	-35 °C ~ +60 °C
Installation Cable Area	1.0 - 4.0 mm <sup>2</sup>
Size	150*78*35mm
Weight	150g
USB Output	5V/3A
Equalization	B01 Sealed B02 Gel B03 Flood 14.4V 14.2V 14.6V



### US OFFICE:

Sungen Power  
111 Charlotte Place Suite 101A  
Englewood Cliffs, NJ 07632  
Office Tel: 201-568-1424



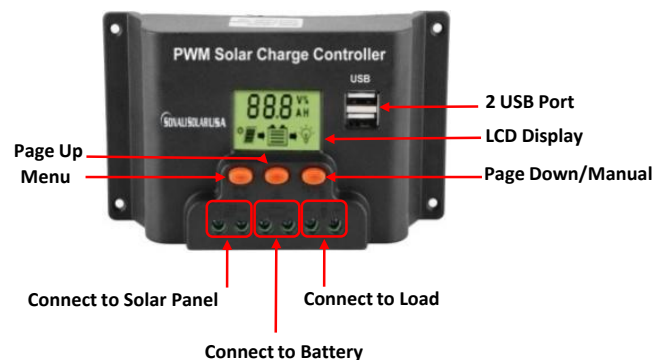
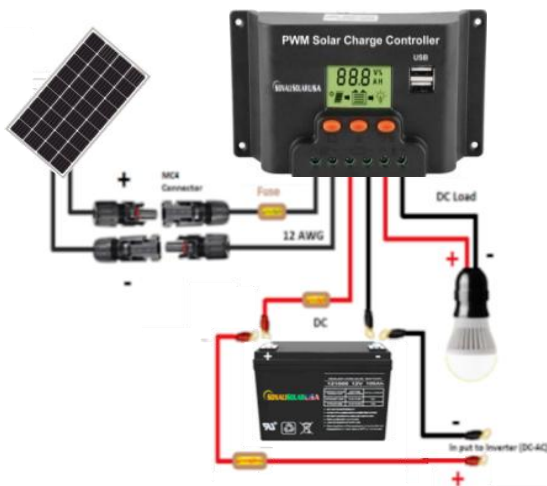
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### Safety Instructions:

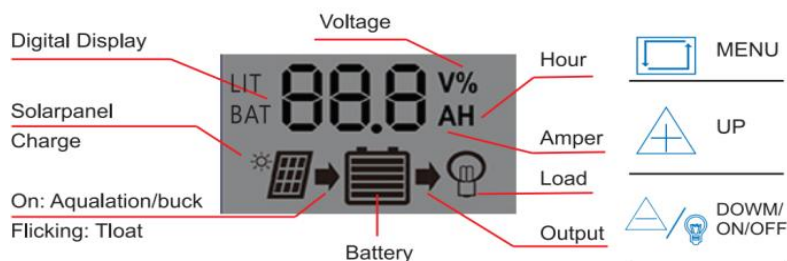
1. Make sure your battery has enough voltage for the controller to recognize the battery type before first installation.
2. The battery cable should be as short as possible to minimize loss.
3. The tegulator is only suitable for lead acid batteries: OPEN , AGM, GEL.  
It is not suited for nickel metal hybride, lithium ions or other batteries.
4. The charge regulator is only suitable for regulating solar modules.  
Never connect another charging source to the charge regulator.

### Sysstem Connection:

1. Connect the battery to the charge regulator - plus and minus.
  2. Connect the photovoltaic module to the regulator - plus and minus.
  3. Connect the consumer to the charge regulator - plus and minus.
- The reverse order applies when deinstalling! An improper sequence order can damage the controller!



### LCD Display / Key

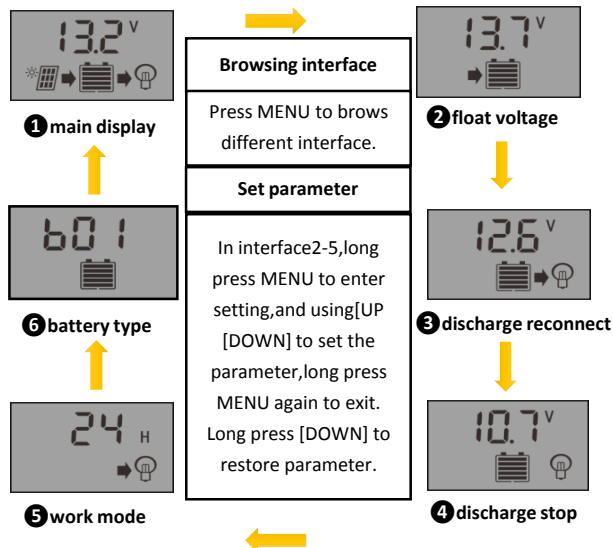


MENU : Switch between different display or to enter / exit setting by long press.  
UP : Press to increase value.  
DOWN : Press to decrease value



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### Display Setting



Attn :

1. press the [Down] button to ON/OFF load manually at main display.
2. the work mode is working as below:  
[24H] load output 24hours  
[1-23H] load on after sunset and closed after setting hours  
[0H] Dusk to dawn

### Trouble Shooting

Situation	Probable cause	Solution
Charge icon not on when sunny	Solar panel opened or reversed	Reconnect
Load icon off	Mode setting wrong	Set again
	Battery low	recharge
Load icon slow flashing	Over load	Reduce load watt
Load icon slow flashing	Short circuit protection	Auto reconnect
Power off	Battery too low/reverse	Check battery/connection

### Application:-

Residential and Commercial rooftops:-



Awning & Canopies:-



Solar Farming:-



Street lights:-



Car ports:-



Solar Mobile Van:-



Balconies:-



Solar Boat:-



Fences:-



Solar Kit:-

