

RBL Series

10A 20A 30A 40A 50A 60A

12V 24V Auto recognition



Brief Instruction

24V 12V Auto Solar Panel Battery Charge Controller 60A 50A 40A 30A 20A 10A LCD Solar Collector Regulator with Dual USB Output 5V. This is New Solar Controller ,It can fully meet your home Photovoltaic system(including home lighting system)requirements .It can recognize 12V and 24V Lead acid ,Gel battery automatically .



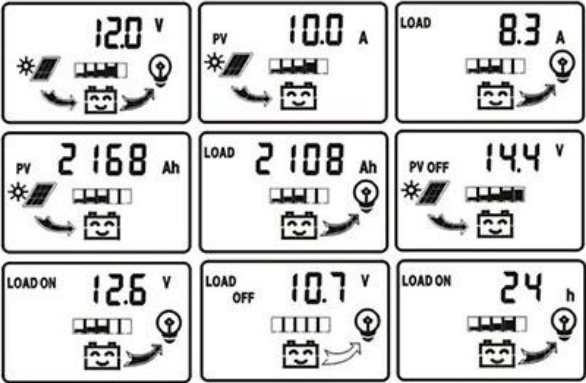
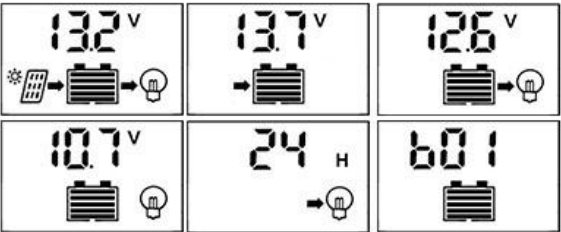


There are optional 10A 20A 30A 40A 50A 60A models

Model	Battery Voltage	Max solar panel input
RBL-10A	12V	25V 120W
	24V	50V 240W
RBL-20A	12V	25V 240W
	24V	50V 480W
RBL-30A	12V	25V 360W
	24V	50V 720W
RBL-40A	12V	25V 520W
	24V	50V 1040W
RBL-50A	12V	25V 650W
	24V	50V 1300W
RBL-60A	12V	25V 780W
	24V	50V 1560W

Feature & Protection

1. Build-in industrial micro controller.
2. Big LCD display, all adjustable parameter.
3. Fully 4-stage PWM charge management.
4. Build-in short-circuit protection, open-circuit protection, reverse protection, over-load protection.
5. Dual mosfet Reverse current protection, low heat production.

10A 20A 30A VS 40A 50A 60A

<p>Photo</p>		
<p>Current</p>	<p>RBL-40A 50A 60A</p>	<p>RBL-10A 20A 30A</p>
<p>LCD Display</p>		
<p>Heat sink</p>		
	<p>Aluminum gear heat sink to extend the service life</p>	<p>Small current controller with conventional heat dissipation</p>

Parameter:

MODEL	RBL-10A	RBL-20A	RBL-30A	RBL-40A	RBL-50A	RBL-60A
Battery Voltage	12V 24V Auto					
Charging Current	10A	20A	30A	40A	50A	60A
Discharging Current	10A	10A	10A	20A	30A	30A
Max Solar input	50V(for 24V battery) 25V(for 12V battery)					
Equalization	14.4V(Sealed) 14.2V(Gel) 14.6V(Flood)					
Float charge	13.7V(default,adjustable)					
Discharge stop	10.7V(default,adjustable)					
Discharge reconnect	12.6V(default,adjustable)					
Charge reconnect	13V					
Voltage of open light	Solar Panel 8V(Light lights delay)					
Voltage of close light	Solar Panel 8V(Light off delay)					
USB output	5V/3A					
Self-consume	<10mA					
Operating temperature	-35°C~+60°C					
Size	133.5*70*35mm			188*90*47mm		

*all red color voltage X2 ,while using 24V system.

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!



Pictures & Price

10A 20A 30A

	1-300PCS	301-500PCS	>500PCS	Remark
10A	3.6	3.5	3.3	this is EXW USD price; DON'T include shipping fee and payment surcharge
20A	4.3	4.10	4.0	
30A	5.1	4.8	4.6	



40A 50A 60A

	1-50PCS	51-99PCS	>100PCS	Remark
40A	9.0	8.5	8.0	this is EXW USD price; DON'T include shipping fee and payment surcharge
50A	11.5	11.0	10.0	
60A	12.0	11.5	11.0	



Current display

Capacity display

Dual USB 5V/2.5A

