Manuals+ — User Manuals Simplified.

ROCKSOLAR 10A PWM Solar Charge Controller User Manual

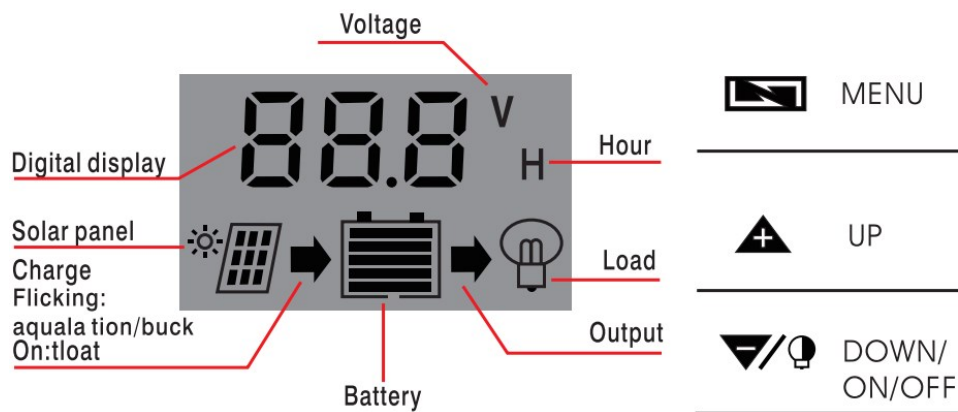**ROCKSOLAR 10A PWM Solar Charge Controller User Manual**

Contents

SAFETY INSTRUCTIONS

1. This controller is suitable for 3 types of batteries, including lead-acid bateres (12V/24Y auto. – {on battries(irngs af 111V inium im iron phosphate batteries (4 strings of 12.8V) Don undmmmrnm-ry **Battery type description:**

   B1 Is wlea-acia bamery (121724 auto):

   B2 Is a ithium fon battery (3 strings of 11.1V lithium batteries);

   B3 Is ithium iron phosphate batery (4 strings 12.V)

2. The battery cable should be as short as possible to minimize loss.

3. When Installation for the first time, set the battery type according to the type of battery and make sure that the battery has enough voltage 0 that the contraller can recognize the correct battery type.

4. The charge regulator Is only suitable for regulating solar modules. Never connect another charging source to the charge regulator.

PRODUCT FEATURES

1. Build in industrial micro controller

2. Big LCD display.all adjustable parameter.

3. Fully 3-stage PWM charge management '

4. Build-in short-circuit protection,open-circuit protection reverse protection,over-10ad protection.

5. Dual USB output, the maximum current of 2.54, 10 support Apple's mobile phone charging.

6. Dual mosfet Reverse current protection,low heat production.

LCD DISPLAY/KEY

MENU: Switch between different isplay o to enter/ex]t setting by long press.
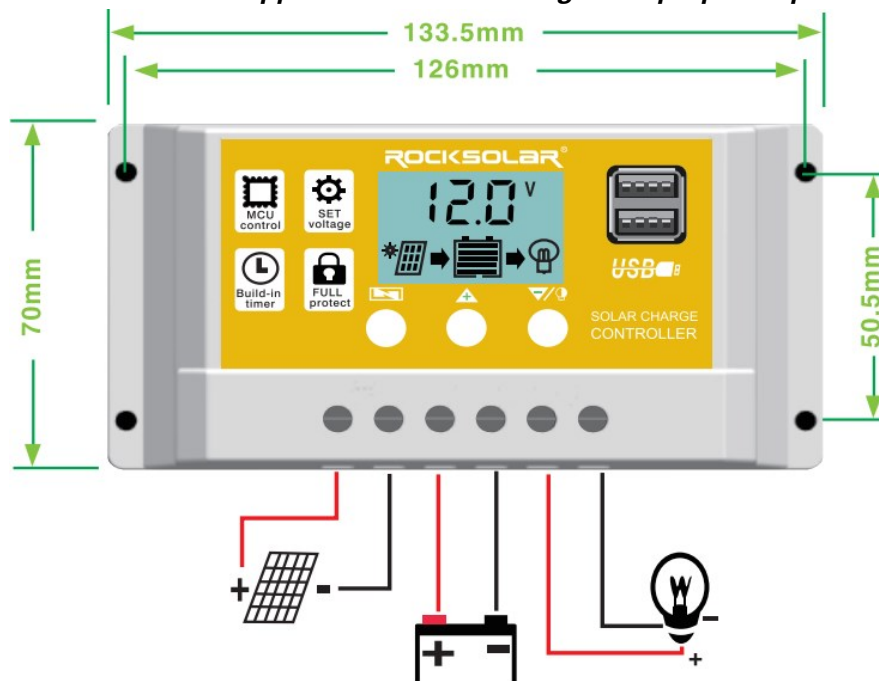**Up:** presstoincreaae value.
DOWN: Pross to decrease value,

SYSTEM CONNECTION

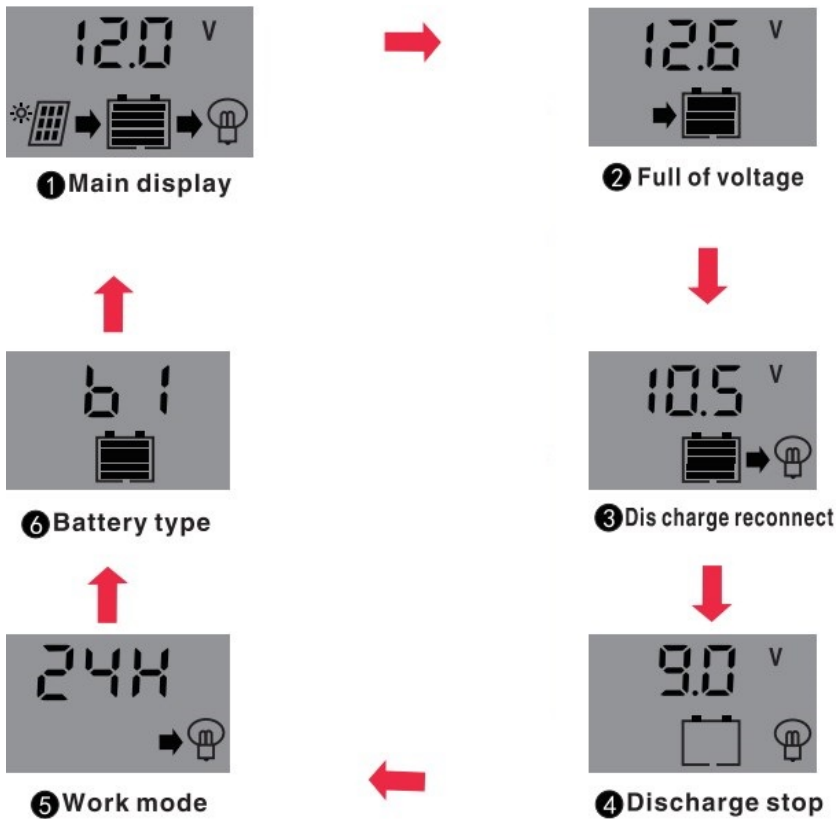1. Connect the battery t the charge regulator plus and minus
2. Connect the photovoltaic module o the regulator-plus and minus.
3. Connect the consumer to the charge regulator-plus and minus.

The reverse order applies when deinstalling! Animproper sequence order can damage the controller!

Note: 12V battery with 18V solar panel 24V battery with 36V solar panel

LCD DISPLA /SEETING

① Main display → **② Full of voltage**

⑥ Battery type

⑤ Work mode **④ Discharge stop** **③ Dis charge reconnect**

Browsing Interface
Press MENE to browse Different interface

Set Parameter

In interface 2.5 long press MENE to inter setting and using UP and DOWN to set the parameter long press MENE again to exit long press Down to restore parameter.

Attention

1. Press the [DOWN] button to ON/OF load manully at main display.

2. The work mode is working as below.

[2H] load output 24 hours
[1-23H] load on after sunset and dosed atfer setting hours
[OH] Duskto 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
	Short circuit prolection	Remove short circuit, 1 minutes or so automatic recovery
Power off	Battery too low/ reverse	Check batterytonnection

TECHNICAL PARAMETER

Batt voltage	12V-24V AUTO					
MODEL	W88-A	W88-8	W88-C	W88-D	W88-E	W88-F
Charge current	10A	20A	30A	40A	50A	60A
Discharge current	10A	10A	10A	30A	30A	30A
Max solar input	$1_2 2_4 V_v b_b a_a\ i_t e_e r; y_y.\ t_w h_t e_e h_n i\ gl_e e\ t_{i\ ig} 2g_e V_i\cdot\ t$				46V	
Battery type	BI =Lead acid battery I 2V, 24VautoB2=Lithium-ion battery (lithium battery) 3 strings 3.7V=11.1V B32 Lithium iron phosphate battery 4 strings 3.2V =12.8V					
Equalization	14.4V(B1)	12.6V(B2)	14.6V(83)			
Discharge stop	10.7V(1301)	9V(B2)	10V(B3)			
^{I}= PI ?) re%7	12.6V(61)	10.5(82)	12V(B3)			
Voltage of open light	Solar panel 8V(Light lights delay)					
Voltage of close light	Solar panel 8V(Light off delay)					
USB output	2 way USB output. 5V/2.5A(MAX)					
Self-consume	<10mA					
Operating temperature	-35 •-•••• +60C					
Size/Weight	133.5′ 70′ 35mm / 130g					

- All red color voltage x2 while using 24V system
- This instruction is a general manual, such as a slight difference inthe physical
- Product specifications are subject to change without prior notice

Documents / Resources

	[ROCKSOLAR 10A PWM Solar Charge Controller](#) [pdf] User Manual 10A PWM Solar Charge Controller, 10A, PWM Solar Charge Controller, Charge Controller, Controller

References

- **[User Manual](#)**