

User's Manual

SAFETY INSTRUCTIONS

1. This controller is suitable for 3 types of batteries, including lead-acid batteries (12V/24V auto), lithium-ion batteries(3 strings of 11.1V lithium batteries); lithium iron phosphate batteries (4 strings of 12.8V) Dont used in Other battery.

Battery type description:

B1 is a lead-acid battery (12V/24V auto):

B2 is a lithium ion battery (3 strings of 11.1V lithium batteries);

B3 is lithium iron phosphate battery (4 strings 12.8V)

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 so that the controller 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-load protection.
- Dual USB output, the maximum current of 2.5A, to support Apple's mobile phone charging.
- 6. Dual mosfet Reverse current protection, low heat production.

LCD DISPLAY/KEY



MENU: Switch between different display or to enter/exjt setting by long press.

Up :press to increaae value.

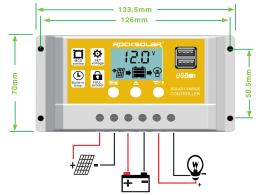
DOWN: Press to decrease value.

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.

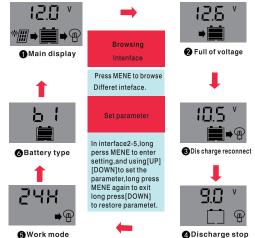
The reverse order applies when deinstalling!

An improper sequence order can damage the controller!



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

LCD DISPLAY/SEETING



[W88-B]

Attn:

- 1. Press the [DOWN] button to ON/OF load manully at main display.
- 2. The work mode is working as below.

[24H] load output 24 hours

[1-23H] load on after sunset and dosed after setting hours

[OH] Dusk to dawn

TROUBLE SHOOTING

Situation	Probable cause	Solution
Charge icon not on when sunny	Solar panel opened or reversed	
Load icon off	Mode setting wrong	Set again
Load Icon on	Battery low	Recharge
Load icon slow	Over load	Reduce load watt
flashing	Short circuit prolection	Remove short circuit, 1 minutes or so automatic recovery
Power off	Battery too low/ reverse	Check battery/connection

TECHNICAL PARAMETER

n-ion battery n-ion batte n iron phos	30A 10A e highes en the h y 12V/24Var ery (lithium sphate batt	uto battery) 3 s ery 4 string	strings 3.7V s 3.2V = 12.	8V	
10A tery, the tery wh icid battery in-ion batte in iron phos	10A e highes en the h y 12V/24Var ery (lithium sphate batt	30A t 23V; ighest 4 uto battery) 3 s ery 4 string	30A 6V strings 3.7V s 3.2V=12.	30A =11.1V 8V	
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n-ion batte n iron phos	ery (lithium sphate batt	battery) 3 s ery 4 string	s 3.2V=12.	8V	
B1)					
(וט	12.6V(B	2) 14	I.6V(B3)		
B01)	9V(B2)	10	V(B3)		
B1)	10.5(B2) 12	2V(B3)		
Solar panel 8V(Light lights delay)					
Solar panel 8V(Light off delay)					
2 way USB output, 5V/2.5A(MAX)					
<10mA					
-35 ~ +60℃					
133.5 * 70 * 35mm / 130g					
֡	panel 8V panel 8V USB ou	panel <mark>8V</mark> (Light I panel <mark>8V</mark> (Light c USB output, 5\	nanel <mark>8V</mark> (Light lights de nanel <mark>8V</mark> (Light off delay USB output, 5V/2.5A(N	panel 8V(Light lights delay) panel 8V(Light off delay) USB output, 5V/2.5A(MAX)	

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

Contact us

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