

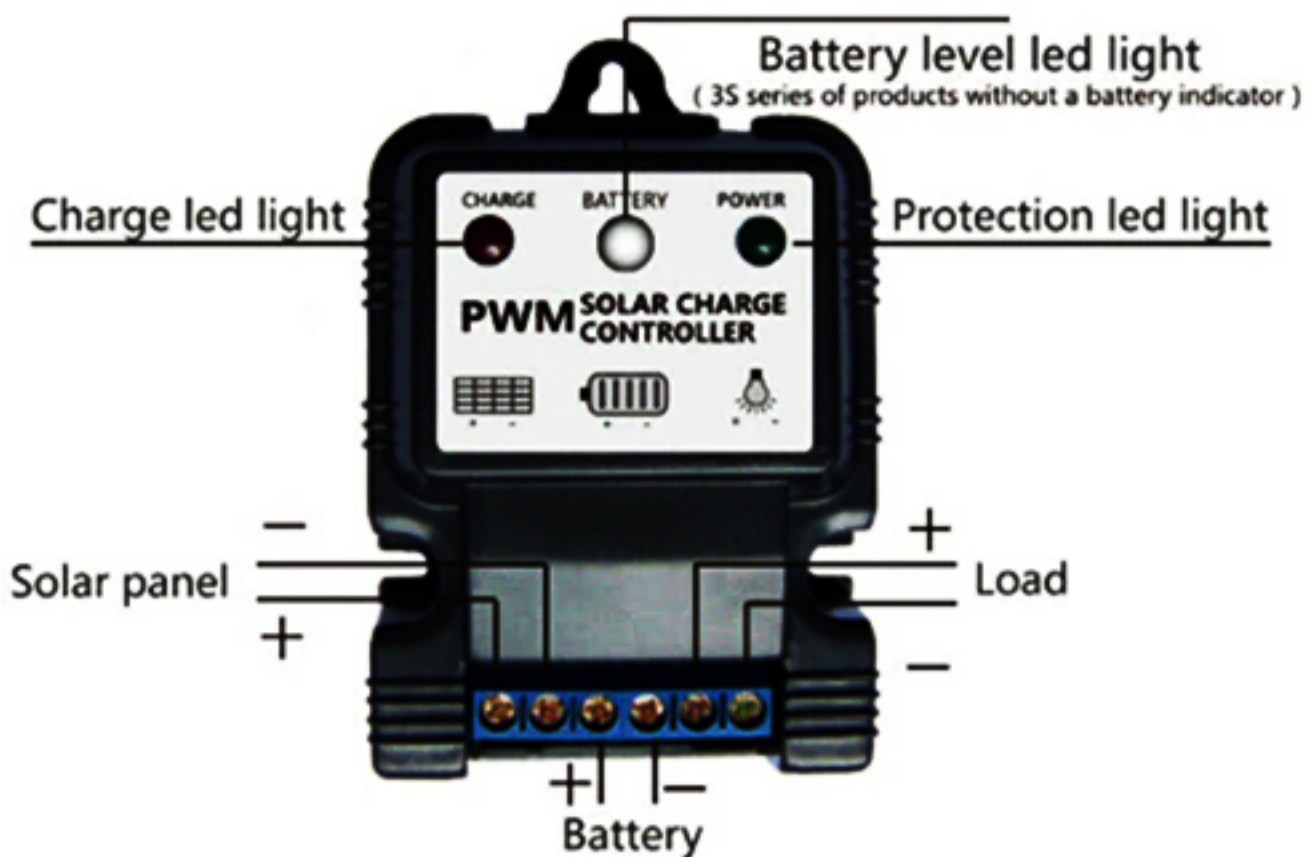
● Install & Method of Using

1. Wiring Sequence

The preparation of the conducting wire: calculate the length of the wire, and then figure out the installation place. Before connecting the battery firstly, please pay attention to the anode and the cathode to avoid inverse connection. If reversed, the controller lights without any indication, will not damage Internal control components. If correctly connected, POWER indicator will light.

2. LED Lights Display Instruction

LED	STATE	FUNCTION
CHARGE	OFF	Didn't answer the solar panels or night
	LIGHE ON	Battery charging status
BATTERY	GREEN LIGHT ON	Battery power is normal
	RED LIGHT ON	Battery power is low
	BLINKING RED LAMP	Battery power shortage
POWER	OFF	The output protection or relating to state where the output
	LIGHE ON	The controller output is normal



● Discharge Mode (Gray is the switching direction)

On Mode 	Light control 1H 	Light control 2H
Light control 3H 	Light control 4H 	Light control 5H
Light control 6H 	Light control 7H 	Light control 8H
Light control 9H 	Light control 10H 	Light control 11H
Light control 12H 	Light control 13H 	Pure light control

● Technology Index

Charging mode	PWM			
Current system	3A/5A/10A			
Withstand voltage input	3S≤30V;5S≤50V			
Overload, short circuit protection	1.25 times the rated current delay 5 minutes off, Automatic recovery after 5 minutes; ≥3.0 times the rated current of short-circuit protection action			
System voltage	1.2V*S	3.2V*S	3.7V*S	6V*S
Overpressure protection voltage	1.6V*S	3.8V*S	4.3V*S	7.5V*S
Over-discharge protection voltage	1.0V*S	2.5V*S	3.2V*S	5.4V*S
Over-discharge recovery voltage	1.2V*S	3.2V*S	3.7V*S	6.0V*S
Charge cut-off Voltage	1.5V*S	3.7V*S	4.2V*S	6.9V*S
Enhance the charging voltage	System voltage < 6V , -> 3.5V , > 6V , -> 7.0V			
Do not set the voltage night	System voltage < 6V , -> 1.5V , > 6V , -> 3.0V			
Defense grade	IP30			
Size	53.4*68.6*22.0mm			
Install the line no.	AWG22 ~ 14/2mm ²			
Weight	0.05kg			
Single section 1.2 V nimh battery 3 s ~ 24 s;Section 3.2 V single lithium iron phosphate battery 1 s ~ 7 s; Single section 3.7 V lithium battery 1 s ~ 7 s;Lead-acid battery 6 v / 12 v.				