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San Jose 95120

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12 volt solar charge controller

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VIDEO

5A Waterproof Solar Charge Controller 6V/12V Auto, 5 amp Solar Panel Charging Regulator 57 Waterproof 24Hours Load on 12V Lead-Acid (AGM Gel Seal Coded) Battery

from the PowMr Store

413 ratings

\$15⁹⁹

One-Day

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Color: 5A 12V

Color	5A 12V
Brand	PowMr
Item Dimensions LxWxH	0.19 x 0.19 x 0.49 inches
Item Weight	80 Grams

About this item

Customer ratings by feature

Easy to install	4.3
Weatherproof	3.8
Value for money	3.5
Tech Support	3.4

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Pickup

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Deliver to Timothy - San Jose 95120

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Qty: 1

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Total price: **\$67.97**

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This item: 5A Waterproof Solar Charge Controller 6V/12V Auto, 5 amp Solar Panel Charging...

\$15⁹⁹

ECO-WORTHY 12V Solar Panel 10W Solar Panel Battery Charger Portable for Vehicle...

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ExpertPower 12v 7ah Rechargeable Sealed Lead Acid Battery

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734

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51

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Allto Solar Intelligent 10A MPPT Solar Charge Controller, 10 Amp 12 Volt Solar Panel...

363

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62

Limited time deal

\$16.10

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Battery Tender 5-45 Watt Automatic Solar Charge Controller with LED Indicator, Shor...

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Amazon's **Choice** in
Renewable Energy
Controllers
\$39.00



Solar Intelligent MPPT Solar Charge Controller, 10 Amp 12 Volt Solar Panel...

6

\$49.99

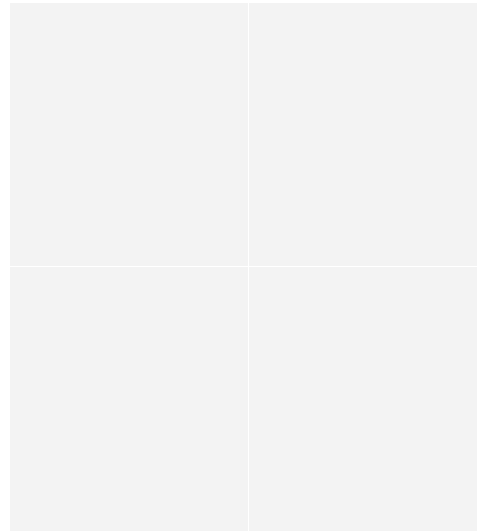
Allto Solar 30 Amp 12V/24V MPPT Solar Charge Controller, Backlit Display, Temp...

13

\$99.95

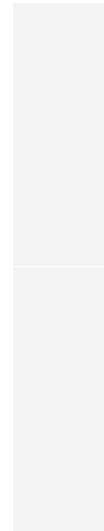
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Inverter and Battery Charger

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Solar in

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Product Description

Function:

- Prevent the battery from over charging, over discharging and Reverse discharging to solar panel during nights.
- Easy to install and operate, Load On 24 Hours, Smart PWM technology, high efficiency.

Specifications:

- Waterproof IP67
- Rated Voltage: DC 6V/12V
- Max input VOC: 11V@ 6V battery; 22V@12V battery
- Max Current: 5A
- Power of solar panels: 30W (5A,6V) ; 60W (5A,12v)
- Max Solar input voltage: 22V
- Float:13.8V (12V)
- Charge reconnect: 13V (12V)
- Discharge stop: 11.2V(12V); Discharge reconnect: 12.6V(12V)
- Working Temp:-10- +40degree; Weight:33g

- Q: Why does the controller stop charging from the solar panel?
- A: Disconnect, measure the voltage of the battery, and see if the controller is fully charged. If it enters the floating state, the controller will stop charging the solar panel and charge the battery with a weak current to maintain the battery loss.
- Q: Why did the load stop working after working for a while?
- A: Use a multimeter to measure the battery voltage. If the voltage of the battery reaches the voltage value of the low voltage disconnection, the controller will disconnect the output of the load terminal to prevent the battery from excessively consuming power.

3210AN 30a MPPT Controller	4210AN 40a MPPT Controller	4215BN 40a Mppt Controller	6415AN 60a MPPT Controller	10415AN 100a Mppt Controller	K100 PRO 100a Mppt Controller
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Solar Controller	Solar Controller	Solar Controller	Solar Controller	Solar Controller	Solar Controller
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System Voltage	12V/24V DC	12V/24V DC	12V/24V DC	12V/24V/36V/48V DC	12V/24V/36V/48V DC	12V/24V DC
Battery Type	Sealed/Gel /Flooded/User and Lithium	Sealed/Gel /Flooded/User and Lithium	Sealed/Gel /Flooded/User	Sealed/Gel /Flooded/User and Lithium	Sealed/Gel /Flooded/User and Lithium	Sealed/Gel /Flooded/User
Grounding	Negative	Negative	Negative	Negative	Negative	Positive

Pow-Lvm Serie Hybrid Inverter	Pow-Lvm Serie Hybrid Inverter	2400W Solar Inverter	1500W Solar Inverter	SPF HVM Serie Hybrid Inverter	SPF ES Serie Hybrid Inverter
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3000W Solar Inverter	5000W Solar Inverter	2400W Solar Inverter	12V to 230V solar inverter	5000W Solar Inverter	SPF 5000 ES
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AC Output Power	3000W	5000W	2400W	1500W	5000W	5000W
AC Output Voltage	110V	110V	230V	230V	230V	230V
Battery Type Support	24V Lead-acid&Lithium	48V Lead-acid&Lithium	24V Lead-acid&Lithium	12V Lead-acid&Lithium	48V Lead-acid&Lithium	48V Lead-acid&Lithium
PV Input Power	1600W	5000W	3000W	2000W	4500W	6000W
Max.PV Input VOC	100V	500V	450V	450V	145V	500V
Built in Charger	60A MPPT Charger	80A MPPT Charger	80A MPPT Charger	80A MPPT Charger	80A MPPT Charger	80A MPPT Charger

Compare with similar items

This item 5A Waterproof Solar Charge Controller 6V/12V Auto, 5 amp Solar Panel Charging Regulator IP67 Waterproof 24Hours Load on for Lead-Acid (AGM Gel Seal Flooded) Battery		Renogy 10 Amp 12V/24V PWM Negative Ground Solar Charge Controller Compact Design w/LCD Display for AGM, Gel, Flooded and Lithium Battery, Wanderer 10A	HUINE 20A 12V 24V Auto IP68 Waterproof PWM Solar Charge Controller Solar Panel Battery Intelligent Regulator for Solar System Caravan Boat(24 Hours Working Mode)	Renogy Voyager 20A 12V/24V PWM Waterproof Solar Charge Controller w/ LCD Display for AGM, Gel, Flooded and Lithium Battery, Used in RVs, Trailers, Boats, Yachts, Voyager 20A
Add to Cart		Add to Cart	Add to Cart	Add to Cart
Customer Rating		(413)	(4281)	(371)
Price		\$15 ⁹⁹	\$19 ⁹⁹	\$20 ⁹⁹
Shipping				
Sold By		Y-SOLAR	Amazon.com	Huine
Color		5A 12V	—	Black
Item Dimensions		0.19 x 0.19 x 0.49 inches	4.7 x 3 x 1.1 inches	3.23 x 1.77 x 0.83 inches
				6.08 x 3.83 x 1.4 inches

Product information

Product Dimensions	0.19 x 0.19 x 0.49 inches
Item Weight	2.82 ounces
Manufacturer	Y-SOLAR
ASIN	B00XTQ76WW
Item model number	5A-12V
Customer Reviews	3.9 413 ratings 3.9 out of 5 stars
Best Sellers Rank	#94,946 in Patio, Lawn & Garden (See Top 100 in Patio, Lawn & Garden) #91 in Renewable Energy Controllers
Is Discontinued By Manufacturer	No

Warranty & Support

Product Warranty: For warranty information about this product, please [click here](#)

Feedback

Would you like to [tell us about a lower price?](#)

Videos

Videos for this product

0:52

5A Waterproof Solar Charge Controller
6V/12V
Y-SOLAR

Videos for related products

0:52

How to Wire the MPPT Solar Charge
Controller?
Jiusheng Direct

11:

NEXT GENERATION MPPT Solar Charge
Controller
Allto Solar

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Important information

To report an issue with this product, [click here](#).

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Cast Brass 2700K
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Spotlight (650 Lumens)
85

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- Morningstar Sunguard
4.5A Solar Charge
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\$29.95
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Brass 12V Flood Light &
Wall Wash (Bronze) with
3W 2700K G4...
56

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Controller for 12V
Batteries, Outdoor...
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\$68.00

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269

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Customer reviews

3.9 out of 5

413 global ratings

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3 star	<input type="text"/>	12%
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1 star	<input type="text"/>	12%

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Reviews with images

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Top reviews

Top reviews from the United States



BLS

Great vendor response to problem & fast resolution

Reviewed in the United States on September 24, 2019

Color: 5A 12V **Verified Purchase**

Vendor support gets 5 stars, 3 stars overall because the controller was DOA.

I hooked it up following the injunction clearly printed on the front of the device that said to attach the battery first. Very important. Did that and the red "load" light came on. Connected the controller to the solar panel lead, and the green "charging" light came on. Great. The battery should start to gain ground over the next few days. Came back a couple of hours later to find battery voltage had fallen bigtime, to 12.10v from 12.25v. With the sun shining. Tested battery wire at splice and found about 2v, not the expected 13.5v. Solar output voltage tested OK. I removed the controller, connected the solar panel directly to the battery (as before), and voila, voltage started rising.

It was getting current again.

Unfortunately, I had other things to do for six weeks before I got around to installing, so

▼ [Read more](#)

3 people found this helpful

Sponsored

Helpful

Report

Bill B.

They work Perfectly, for a little while.

Reviewed in the United States on September 8, 2018

Color: 5A 12V **Verified Purchase**

I bought 4 of these early this year to use with a solar panel on my trail cameras. My cameras are 6v input devices and my panel can generate up to 24v in bright sunlight. Every one of these units has performed to perfection and I just recently bought another one for a fifth camera location.

I will say that if your source SLA battery gets below 5.67v they will shut down the output load on this controller. I had a 6v battery that was 5.67v out of the box. I didn't check the voltage before I tried to use it and the controller load side wouldn't work. I charged the battery back to 6.45v and everything works great now. The solar panel and controller easily maintain the battery when the battery is fully charged, just check your battery voltage before using and connect the battery FIRST. BTW, they ARE waterproof.

Great product and I DID buy again.

[▼ Read more](#)

22 people found this helpful

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Report

Sir Blabs a Lot

No frills but works.

Reviewed in the United States on July 14, 2021

Color: 5A 12V **Verified Purchase**

After several days with this device I haven't witnessed the green charging light do anything but glow solid, no blinking of any sort. The red light indicating the load is on, is always on once a proper battery is connected. It does allow my 25 watt solar panel to charge the battery. It also provides voltage to the load circuit from the battery or the panel, whichever has the most power at the time. I wouldn't be surprised if this device is just a simple circuit of resistors and diodes housed in a small plastic box, making the green light blink would take a bit more. Despite the disappointment of not getting to see if the device is charging, it actually is. I checked it with a meter. Using this device and a 20 watt panel, a person could continually run a small electrical device.

Helpful

Report

Football Dad **VINE VOICE****Incredible piece of electronica for what I had to accomplish-**

Reviewed in the United States on October 28, 2022

Color: 5A 12V **Verified Purchase**

I ordered a 6 volt solar panel and was sent a 12 volt panel. Before I realized that I had built a deer feeder that had "guts" that needed 6 volts. Some smart kids I know recommended this device and it is PERFECT for what i needed to do. I get to keep the 12 volt solar panel and reduce it down to 6 volts. great product.

One person found this helpful

Helpful

Report

Scott Branham

Pretty flimsy and cheap.

Reviewed in the United States on March 16, 2023

Color: 5A 12V **Verified Purchase**

Worked great for a few days and started smoking. The back kept coming off and the wires seem like they're barely attached. The instructions for the lights on the side of the unit wasn't even legible. There's heavier duty ones on Amazon for a couple dollars more. Recommend spending the couple extra dollars.

Review update.... After leaving review I was contacted by the seller offering a full refund. They stated "We sincerely apologize for any inconvenience regarding your order and would like to offer you a full refund for your purchase. If you would like a full refund: please reply 'Full refund'." I replied with full refund. Then they replied that they needed me to send it back for a full refund.

I didn't contact them for a refund because driving to a UPS store would cost more than what I paid for it. I just tossed it and ordered a better made one from another company. Customer service gets a C- for offering a refund then coming back and wanting you to return it.

[Helpful](#)[Report](#)

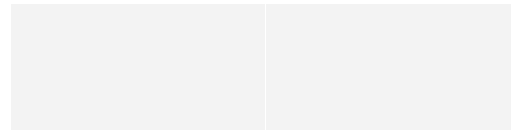
John G Davis

Great Solar Charge Controller

Reviewed in the United States on April 27, 2021

Color: 5A 12V **Verified Purchase**

I just ordered a third one of these Solar Charge Controllers. I originally purchased two because of the small size and they are both working perfectly after two months of use. I have no idea if they are really waterproof, as they are inside a small project box which protects them. Just remember to connect them to the battery first before connecting to the solar. The first two photos are of the solar charger supplying a 12v power regulator (Buck Converter) to make sure the voltage to my security camera is constant at 12v and not what the solar panel is providing. The other three are of another solar charger proving power that is triggered by a remote switch. Will be purchasing more for other solar projects.



2 people found this helpful

[Helpful](#)[Report](#)

Bob Robert

Cheap controller but not recommended above 30W solar power

Reviewed in the United States on April 27, 2022

Color: 5A 12V **Verified Purchase**

Good price for a very humble water resistant controller. If used well below rated power.

One person found this helpful

[Helpful](#)[Report](#)

BobA

Can someone help?

Reviewed in the United States on July 24, 2019

Color: 5A 12V **Verified Purchase**

Do I have something connected incorrectly? I connected a ExpertPower 12V 7 Amp EXP1270 Rechargeable Lead Acid Battery, a ACOPOWER 35 Watt 35w Polycrystalline Photovoltaic PV Solar Panel and a 12V-24V DC Brushless Submersible Water Pump to the charge controller.

All lamps are on showing green for charge and red for the load. After about 10-15 minutes the load light turns off. However, if I connect the panel directly to the pump, it runs just fine.

Any help is greatly appreciated!

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Top reviews from other countries



B Sylvester

smaller than expected

Reviewed in Canada on April 30, 2021

Color: 5A 12V **Verified Purchase**

works well. I use it to electrify the horse fence. I used to forget to turn the inverter off and damaged the battery. This should prevent damage to the battery. The unit has a load connection which cuts out when the battery is low and does not turn on until battery voltage is 12.8 or 13V

One person found this helpful

Report



MB

does not work at all

Reviewed in Canada on April 7, 2023

Color: 5A 12V **Verified Purchase**

I took it out of the box and hooked it up it will not work no lights nothing I hooked up a old one i had and it worked fine

Report



Amazon Customer

below average

Reviewed in Canada on August 12, 2022

Color: 5A 12V **Verified Purchase**

clips included are not the same gage, unit does not indicate if battery is fully charges. Petty cheap

Report



Real Tremblay

Passable

Reviewed in Canada on November 13, 2021

Color: 5A 12V **Verified Purchase**

Passable

Report



Amazon Customer

Work's well

Reviewed in Canada on July 7, 2020

Color: 5A 12V **Verified Purchase**

Easy to install and most of all it's waterproof

Report

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