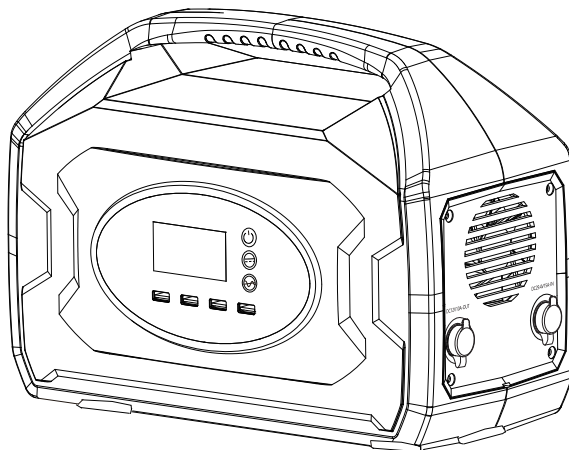




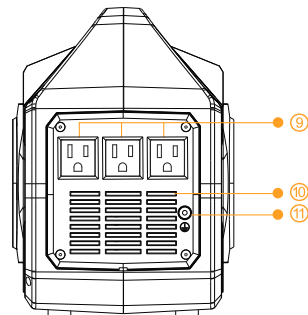
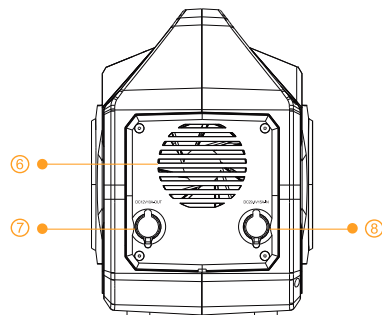
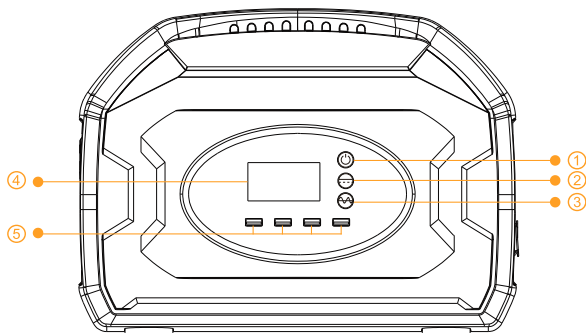
S1500 USER MANUAL



Please read the user manual thoroughly before using

support@pecron.com

FUNCTION INTRODUCTION



① Power Switch

④ LCD Display

⑦ DC 12V-10A Output

⑩ Air Vent

② DC 12V/USB Switch

⑤ USB-A Ports

⑧ DC 29.4V15A Input








⑪ Ground receptacle

③ AC 110V Switch




⑥ Air Vent

⑨ AC 110V Output




SPECIFICATIONS

						
Capacity	Battery Type	Charging Time	Protections	Temperature	Dimension	Net Weight
1461.6Wh (25.2V58Ah)	Lithium-ion(NCM) 1000CycleLife>80%	3~4 H AC Charger	Over-Voltage, Overheat, Overload, Short-Circuit, Self-Recovery	0°C~45°C/32°F~113°F (Charging) -20°C~45°C/-4°F~113°F (Discharging)	L13.9*W7.4*H10.2 in L352*W187*H260 mm	Around 27lb Around 12.5kg

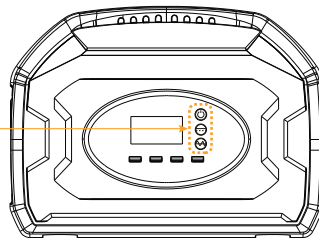
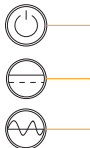
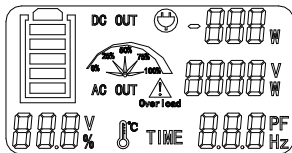
OUTPUT SPECS

		
AC Out*3	USB-A*4	16MF Aviation DC
Pure sine wave 110V Rated 1500W	5V,9V,12V, Max 18W *1	12V-10A

INPUT SPECS

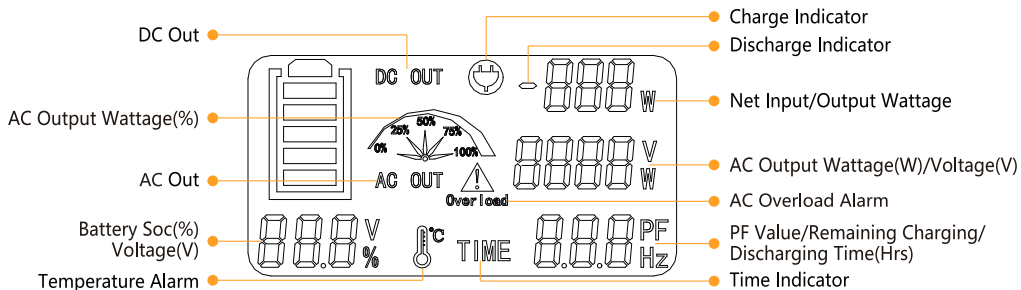
		
AC Charging	Solar Charging	Car Charging
29.4V Max 15A	MPPT Charger DC 32~95V Max 500W	29.4V-5A

HOW TO USE THE S1500



- press and hold to turn on / off the device
- press and hold to turn on / off DC / USB
- press and hold to turn on / off AC (Please turn off the AC function if there is no AC load on the unit)

LCD SMART DISPLAY



Temperature Alarm Icon

S1500 can power your devices at temperatures ranging from -20~45°C.

If your working temperature is more than 45°C, the temperature alarm will flash, the unit may stop working.



AC Overload Alarm Icon

S1500 can power most devices with power consumption less than 1500 watts.

If your device is more than 1500W, The AC overload alarm will flash, The power supply will stop working.

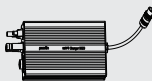
PACKING LIST



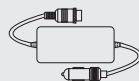
Pecron S1500*1



AC Charger*1



MPPT Charger 9029*1



Car Charger (DC1229)*1



4-In-1
DC Output Adapter*1

RECHARGE TIME



Wall Charger

Around 3~4Hours



Electric Generator

Around 3~4Hours

SOLAR CHARGE TIME



pecron 200W



MPPT Charger 9029*1

200W(×1)

Recommended ★★★

9~10 Hours

400W(×2)

Recommended ★★★★★

4~5 Hours

600W(×3)

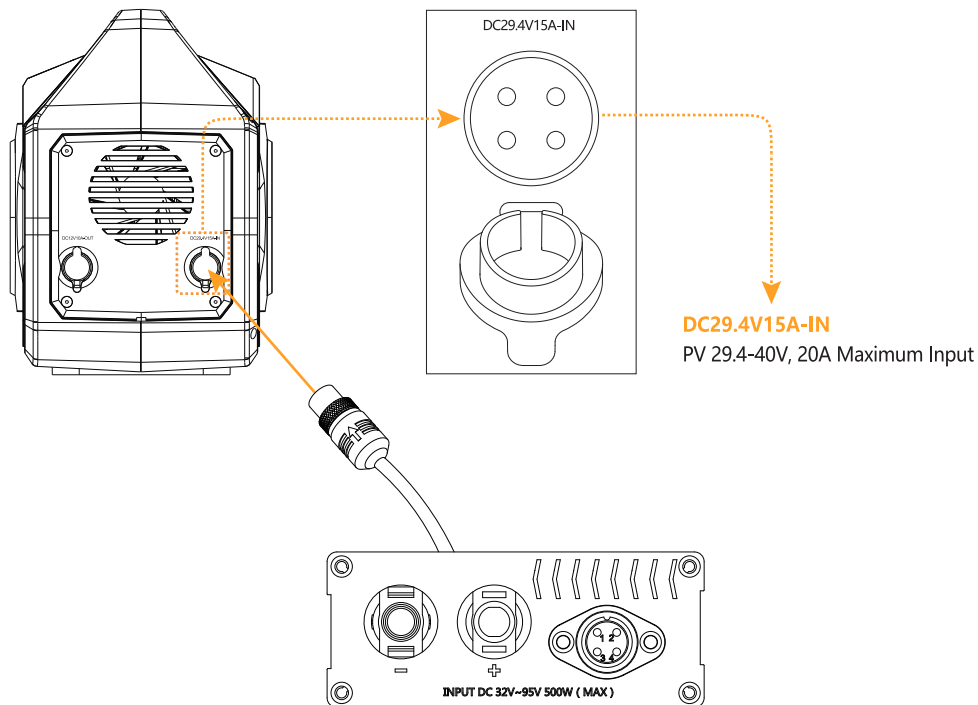
Recommended ☆

3~3.5 Hours

The solar charging time depends on weather conditions. The included external MPPT charge controller supports 32-95V PV input that allows you to charge the S1500 30% faster via solar panels.

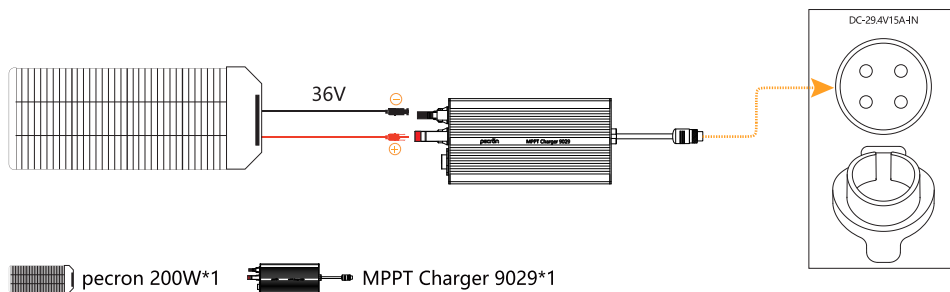
USING SOLAR PANELS TO CHARGE THE S1500

1. **DC29.4V15A-IN:** PV/DC 29.4~40V, 20A maximum; VOC(open circuit voltage) of solar panel must be less than 45V;
2. **MPPT charger:** INPUT DC 32V~95V 500W maximum; OUTPUT DC 29.4V15A
3. If you have any questions, Please feel free to contact us: support@pecron.com



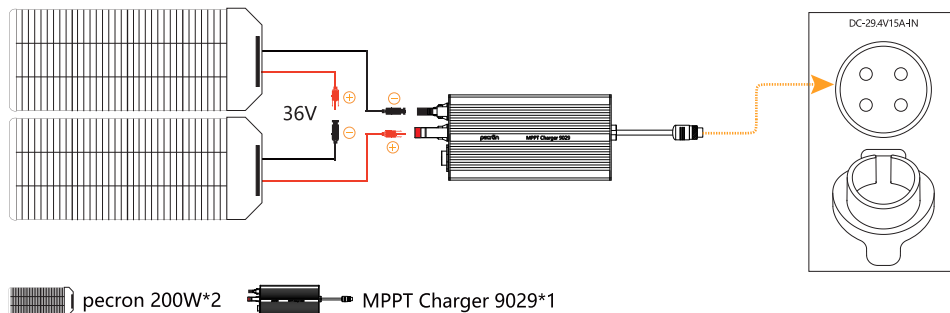
USING SOLAR PANELS TO CHARGE THE S1500

Using the pecron 200W /36V*1 (200W) to charge the S1500



※ 36V is the operating voltage of the solar panels

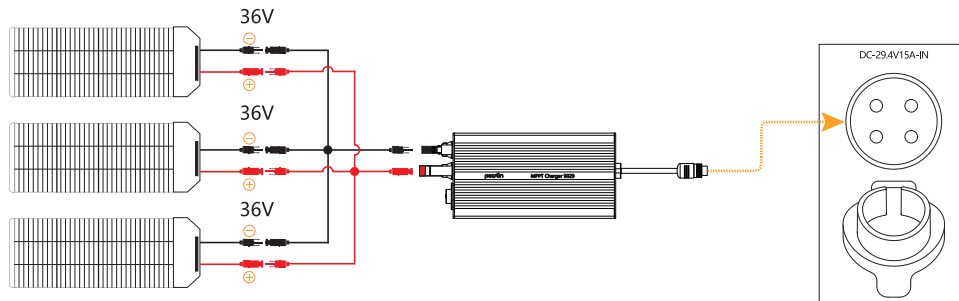
Using the pecron 200W /36V*2 (400W) to charge the S1500



※ 36V is the operating voltage of the solar panels

USING SOLAR PANELS TO CHARGE THE S1500

Using the pecron 200W /36V*3 (600W) to charge the S1500



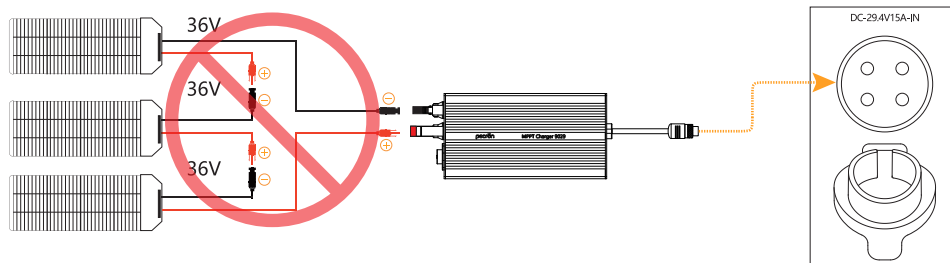
pecron 200W*3 MPPT Charger 9029*1

Y Branch MC4 Charging Cable(+)*1 Y Branch MC4 Charging Cable(-)*1

(NOTE: This parallel charging cable sold separately)

※ 36V is the operating voltage of the solar panels

DO NOT wire three solar panels in series!



※ The MPPT charge controller accepts input range from 32V~95V(Voc), connecting solar panels over 95V will damage the controller

FAQS

Q1: What kind of battery is used in S1500? How long it can last?

A: S1500 utilizes high quality UL certified automotive battery cell, it can retain 80% efficiency at 1000 complete charge cycles.

Q2: What devices can S1500 power?

A: The AC output ports can power appliances which use less than 1500 watts of electricity. However, inductive types of loads such as freezer, fridge, compressor, motor require a much higher power to start (approx. 3-7 times larger than its rated power). The DC output ports can supply a maximum DC power of 120W(12V@10A).

Q3: Can the S1500 be used as UPS?

A: The UPS function is not supported.

Q4: How to calculate the S1500 running time?

A: Running Time=Total Capacity(1461.6Wh) * 0.85 (Depth of Discharge)/Loading Power(Watts)

Q5: Can I use the S1500 indoors and charge the S1500 indoors?

A: Yes, the S1500 is safe to use indoors.

Q6: Does S1500 have built-in charge controller?

A: Yes, there is a built-in PWM charge controllers, which supports 29.4-40V, 20A maximum PV input;

Q7: What kind of maintenance does S1500 require?

A: Charging S1500 in time when the battery running low; And please charge it at least once for every six months even if it is not being used.

Q8: How to store the S1500?

A: Do not store, charge or use S1500 near heat sources, or in an area exposed to flammable or corrosive gas; Do not immerse in water. Keep away from liquids and store it in a cool and dry place.

DISCLAIMER

Please read the user manual thoroughly before using this product, and keep this manual in a safe place for future reference. Failure to follow the instructions for proper set up, use, and care for the device can increase the risk of serious personal injury, death, or property damage. Once you use this device, you are deemed to have understood, recognized and accepted all terms and contents of this document. The user shall be responsible for his own actions and all consequences arising from failure to use the device in accordance with the "User Manual", or as authorized in Pecron's current product literature.

In compliance with laws and regulations, Pecron reserves all rights for final explanation, and to change these terms and conditions at any time without prior notice. In the event that any revisions are made, the revised terms and conditions shall be posted on our website immediately, please visit our website to inform yourself of any changes.

WARNING

- 1、 Do not place the device near heat source, such as a fire or a heating furnace.
- 2、 Do not immerse in any liquid, or expose the unit to rain or wet conditions.
- 3、 Do not use the battery in a strong static electricity or electromagnetic environment.
- 4、 Do not disassemble or puncture the product with sharp objects in any way.
- 5、 Short circuits can be caused by: vermin or pests chewing through wires; water or other fluids coming into contact with electrical wiring.
- 6、 Do not use accessories or parts other than those provided by Pecron. Please visit our website www.pecron.com or reach our support team for a complete list of accessories and parts.
- 7、 When using this product, please strictly follow the ambient temperature for use in the user manual. If the temperature is too high, the battery can potentially result in self-combustion and will burst into flames, which can cause widespread damage. If the temperature is too low, the performance of the battery will be seriously degraded, and it may even fail to meet the normal use requirements.
- 8、 Do not stack heavy objects on this product.
- 9、 Do not block the air vents during use, or leave the device in a non-ventilated or dusty space.
- 10、 Please avoid impacts, fall off, and violent vibration. Please turn off the device immediately and stop using it in the event of major exterior impact. Please fasten the unit firmly during transportation to avoid vibration and impact.
- 11、 In the event of immersing the device into the water accidentally, please place the unit in a safe open area and keep away from the unit until it is completely dry. The dried unit should not be reused and should be disposed of properly according to the local regulation. If the device catches fire, use the fire extinguishing equipment in the following recommended order: water or mist, sand, fire blanket, dry chemical, carbon dioxide fire extinguisher.
- 12、 Please wipe it with a dry cloth to clean the surface of the device.
- 13、 Please place this device with care to prevent the product from being damaged due to fall off. If the product is damaged due to fall off, please turn off the unit immediately and place it in an open area, keep away from combustibles and crowds, and dispose of in accordance with local laws and regulations.
- 14、 Please store this device in a place out of reach of children and pets.

DISPOSAL

- 1、 When conditions permit, please be sure to completely discharge the battery of this product, and then put the product in the designated battery recycling box. This product contains batteries. Batteries are dangerous chemicals and are strictly prohibited from being disposed of in ordinary trash. For details, please follow local laws and regulations on battery recycling and disposal.
- 2、 If the battery cannot be completely discharged due to the failure of the product itself, please do not dispose of the battery directly in the battery recycling box, and contact a professional battery recycling company for further disposal.
- 3、 The battery will not be able to start after being over-discharged, please dispose of it according to the principle of disposal.

EXCLUSIONS

Pecron's warranty does not apply to:

Misused, abused, modified,damaged by accident, or used for anything other than normal consumer use as authorized in Pecron's current product literature.

CUSTOMER SUPPORT: support@pecron.com

WEBSITE: www.pecron.com

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