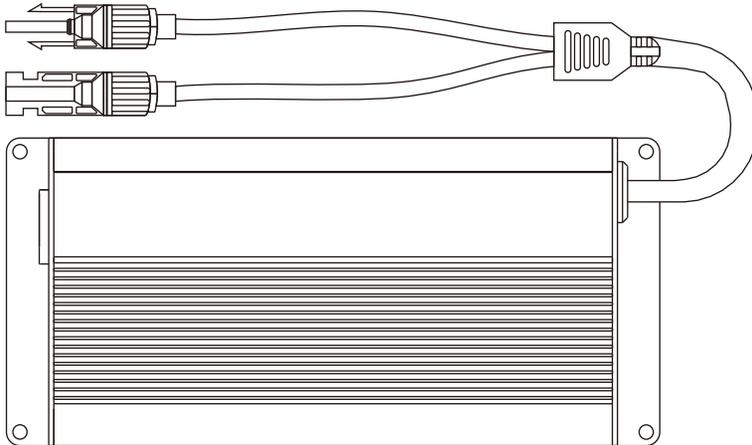


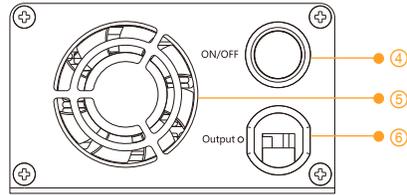
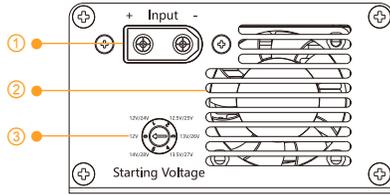


SMART CAR CHARGER DC1242-500 USER MANUAL



Please read the user manual thoroughly before using

FUNCTION INTRODUCTION



① XT90 Input

② Heat Sink

③ Starting Voltage Knob

④ Switch Button

⑤ Heat Sink

⑥ Output

BASIC PARAMETERS

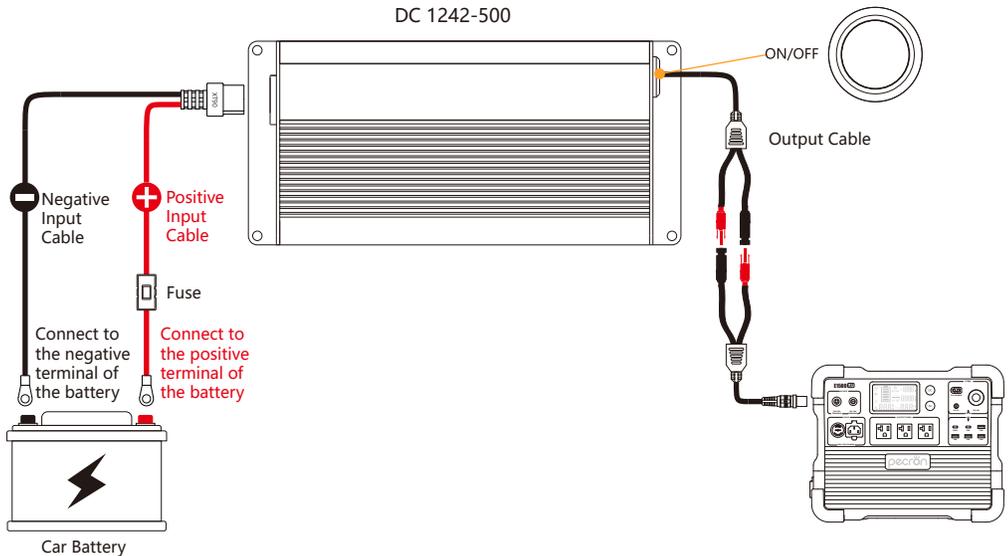
Product Model	DC 1242-500
Input Specification	12~30V, 50A(MAX)
Output Specification	42V, 13A(MAX)
Fuse Rated Current	100A
Output Power	Up to 500W
Standby power	About 0.1mA under shunt-down model and 260mA under state of power-on but without any load.
Operating Temperature	-10°C~55°C / 14°F~131°F
Storage Temperature	10°C~45°C / 50°F~113°F
Heat Dissipation	Fan cooling
Protective design	Short-circuit protection, over-voltage protection, under-voltage protection, overheating protection.
Dimension	193*90*52 mm / 7.6*3.5*2 in
Warranty	12 months

WORKING PRINCIPLE

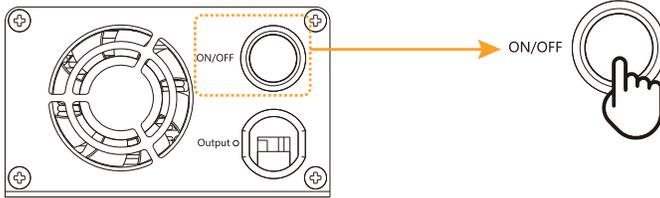
- 1: PECRON smart car charger (hereinafter referred to as car charger) can detect the input voltage. If the input voltage is greater than the set starting voltage, the car charger will work, otherwise it will not work.
- 2: The battery voltage will be in a lower range when the car is not started, and the voltage will be pulled up after the car is started.
- 3: The starting voltage of the car charger is set based on the principle of increasing the starting voltage of the car. The set value should be greater than the battery voltage when the car is not started, and should be less than the battery voltage when the car is started.

USAGE DIAGRAM

Step 1: Connect the car battery to the PECRON power station.



Step 2: First check if cables correctly connect and then turn on the switch button.



✘ If you need to plug and unplug the connector during charging, please turn off the charger before plugging and unplugging the cables.

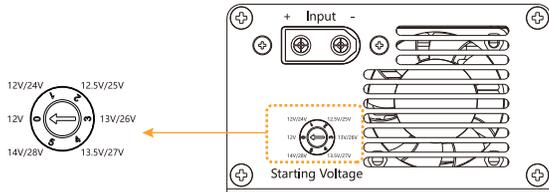
Step 3: Check if the status of the car charger is normal and calibrate its voltage.

Normal state: The car charger doesn't work when the car is not started. The car charger starts working after the car is started.

After starting the car, if the car charger does not work, you need to lower the starting voltage.

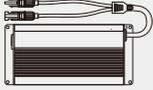
If the car charger works even when the car does not start, the starting voltage needs to be increased.

Gear Level	Starting Voltage Range
0	12V~30V
1	12V~17V / 24V~30V
2	12.5V~17V / 25V~30V
3	13V~17V / 26V~30V
4	13.5V~17V / 27V~30V
5	14V~17V / 28V~30V



✘ When setting the starting voltage, please debug in this way, If the setting voltage is too low, the car battery power will be drained, resulting in the car not being able to ignite and start normally.

PACKING LIST

			
PECRON DC1242-500 *1	Input Connection Cable (approx. 5 meters) *1	Mini Screwdriver *1	User Manual *1

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.

WARNINGS

- 1: Make sure to connect the input and output cables according to the instructions;
- 2: Do not block the fan vent when the car charger is working;
- 3: Do not subject this product to mechanical impact
- 4: The output terminal of this product is not allowed to be short-circuited;
- 5: Make sure the car is started before turning on the car charger. Prevent the car battery from entering an under-voltage protection state due to insufficient supply voltage;
- 6: Use standard and original charging cable of this product to avoid abnormalities.
- 7: Install and use this product in a dry, clean environment with suitable temperature.

- 8: Do not use this product in high-temperature environments such as heat sources or fire sources.
- 9: Do not get this product wet, immersed in water or any other liquid.
- 10: Ensure that the input (XT90) and output (MC4) wires of this product are firmly connected to avoid safety issues caused by short circuits and virtual connections.
- 11: When it's not using for a long time (more than a week), please turn off the main switch of the charger.

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

PECRON.LLC



www.pecron.com