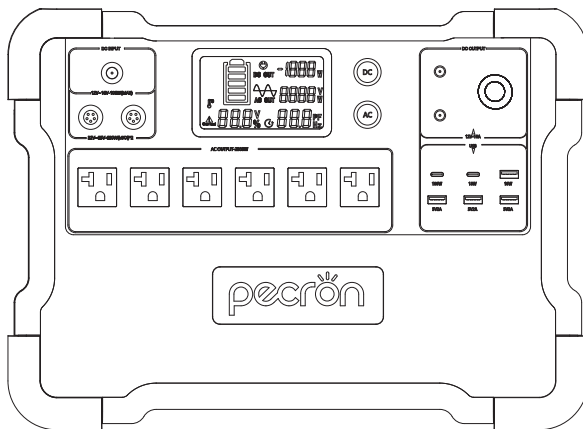




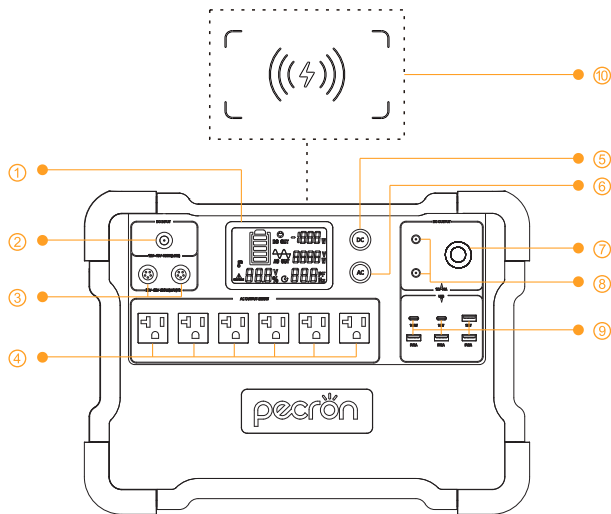
# E3000 USER MANUAL



Please read the user manual thoroughly before using

[support@pecron.com](mailto:support@pecron.com)

## FUNCTION INTRODUCTION



① LCD Display

⑤ DC 12V/USB/ Wireless Switch

⑨ USB-A/USB-C Ports

② DC 12V~18V Charging Port

⑥ AC 100V~120V Switch

⑩ Wireless Charger

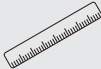
③ DC 32V~95V Charging Port

⑦ DC12V10A Auxiliary Outlet

④ AC 100V~120V Output

⑧ DC12V (5525) Output

# SPECIFICATIONS

|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |  |  |  |
| Capacity                                                                          | Battery Type                                                                      | Charging Time                                                                     | Protections                                                                       | Temperature                                                                       | Dimension                                                                         | Net Weight                                                                          |
| 3108Wh<br>(25.9V120Ah)                                                            | Lithium-ion(NCM)<br>1000CycleLife>80%                                             | 5~6H<br>(Standard)<br>2.5~3H<br>(Fast Charging)                                   | Over-Voltage,<br>Overheat,<br>Overload,<br>Short-Circuit,<br>Self-Recovery        | 0°C~45°C/32°F~113°F<br>(Charging)<br>-20°C~45°C/-4°F~113°F<br>(Discharging)       | L16.1*W10*H11.6 in<br>L409*W256*H297<br>mm                                        | Around 56.2lb<br>Around 25.5Kg                                                      |

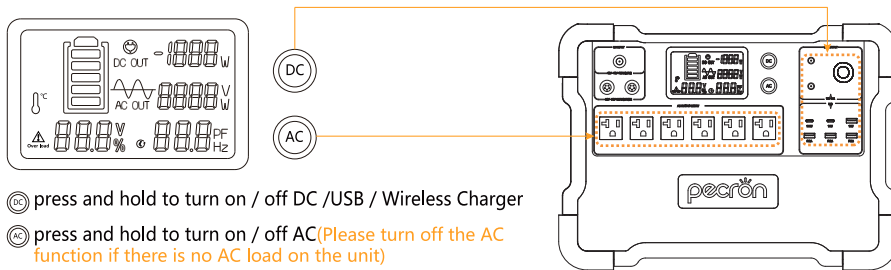
# OUTPUT SPECS

|                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |  |  |
| AC OUT*6                                                                          | USB-A*4                                                                           | USB-C*2                                                                           | DC 5525 Output*2                                                                  | Cigar Port*1                                                                      | Wireless Charger*1                                                                  |
| Pure sine wave<br>100V~120V<br>Rated 2000W                                        | 5V-2A*3<br>(5V,9V,12V,<br>Max 18W)*1                                              | (5V,9V,12V,<br>Max 18W)*1<br>(5V,9V,12V,20V,<br>Max 100W)*1                       | DC 12V-3A                                                                         | DC 12V-10A                                                                        | Max 15W                                                                             |

# INPUT SPECS

|                                                                                   |                                                                                   |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|  |  |
| GX16MF*2                                                                          | 5521*1                                                                            |
| DC Charging(32V~95V)<br>Max1200W(600W*2)                                          | DC Charging(12V~18V)<br>Max 100W                                                  |

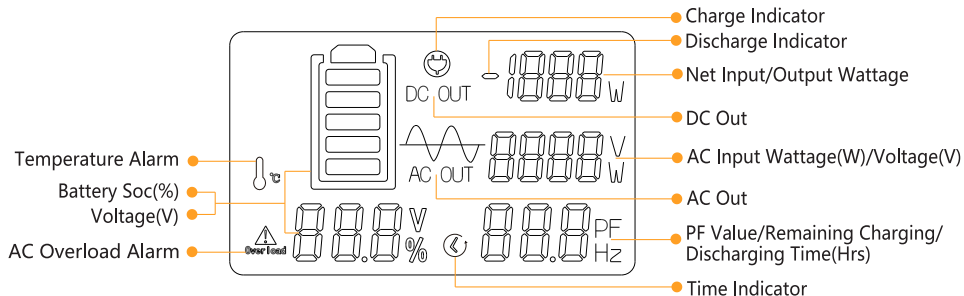
## HOW TO USE THE E3000



Ⓢ press and hold to turn on / off DC /USB / Wireless Charger

Ⓢ 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

E3000 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

E3000 can power most devices with power consumption less than 2000 watts.

If your device is more than 2000W, The AC overload alarm will flash, The power supply will stop working.

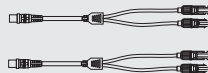
## PACKING LIST



Pecron E3000\*1



AC Charger\*1



MC4 Solar Charging  
Cable(LSMC4-5GX16)\*2



Car Charging Cable\*1

## RECHARGE TIME



Wall Charger

Around 5~6 Hours  
Around 2.5~3Hours(2 adapters)



Electric Generator

Around 5~6 Hours  
Around 2.5~3Hours(2 adapters)



Car Charger

Around 31Hours

※ Includes one AC charger,extra one can be purchased on our website if needed.

## SOLAR CHARGE TIME



pecron 200W



MC4 Solar Charging Cable

**200W(×1)**

Recommended  
★

23~24 Hours

**400W(×2)**

Recommended  
★★★

11~12 Hours

**600W(×3)**

Recommended  
☆

7~8 Hours

**800W(×4)**

Recommended  
★★★★★

5~6 Hours

**1200W(×6)**

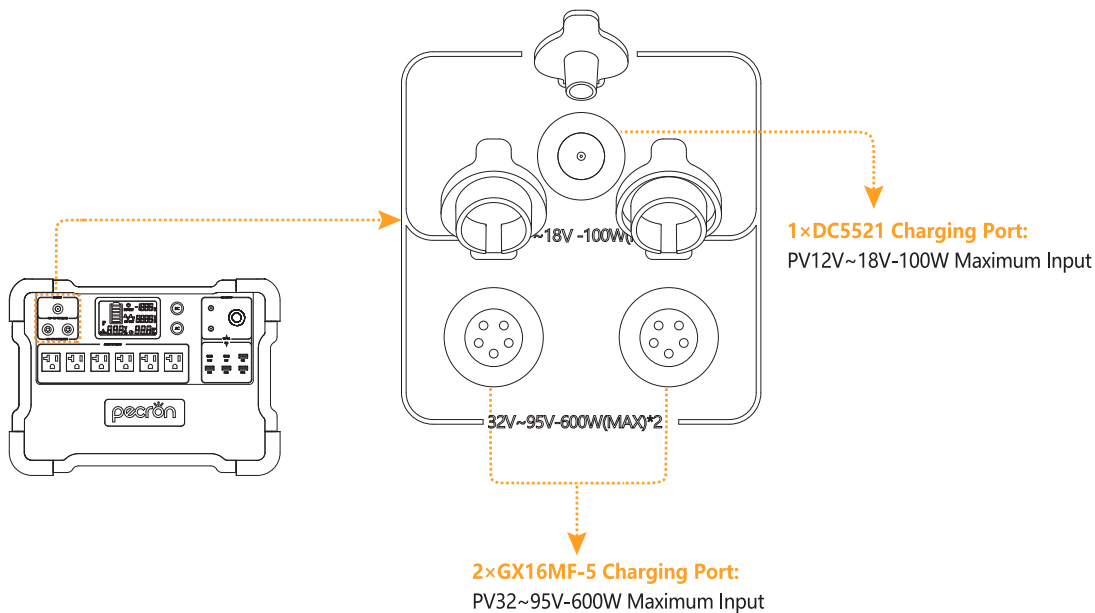
Recommended  
★★★★★

3~4 Hours

The solar charging time depends on weather conditions.E3000 has a built-in MPPT charge controller that supports 32~95V, 15A PV charging up to 1200W.

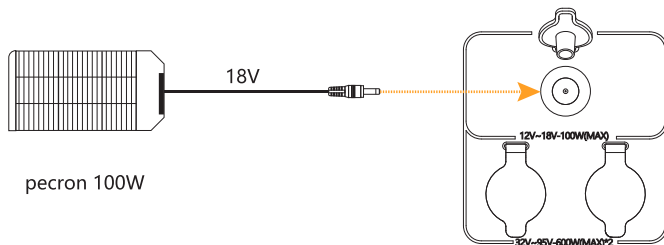
## USING SOLAR PANELS TO CHARGE THE E3000

- 1. 1×DC5521 Charging Port:** PV/DC 12V~18V, 100W maximum; VOC(open circuit voltage) of solar panel must be less than 25V;
- 2. 2×GX16MF-5 Charging Port:** PV(operating voltage) range 32V~95V, 600W maximum; VOC(open circuit voltage) of solar panel/array must be less than 95V, otherwise, it will damage the unit! **Do not wire more than two 36V(AKA 24V) solar panels in series, or more than four 18V(AKA 12V) solar panels in series.**  
(18V/36V stands for  $V_{mp}$ , the operating voltage, of the solar panel)
- 3. If you have any questions, Please feel free to contact us: [support@pecron.com](mailto:support@pecron.com)**



## USING SOLAR PANELS TO CHARGE THE E3000

Using the pecron 100W /18V\*1 (100W) to charge the E3000



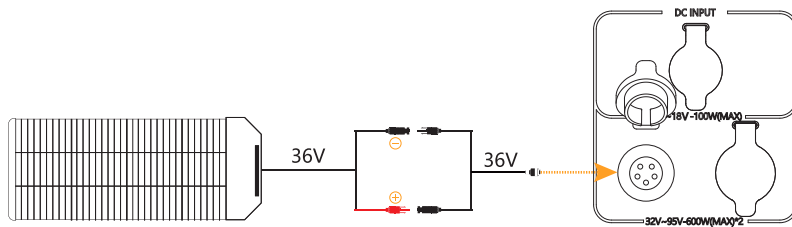
pecron 100W



pecron 100W\*1

※ 18V is the operating voltage of the solar panels

Using the pecron 200W /36V\*1 (200W) to charge the E3000



pecron 200W\*1

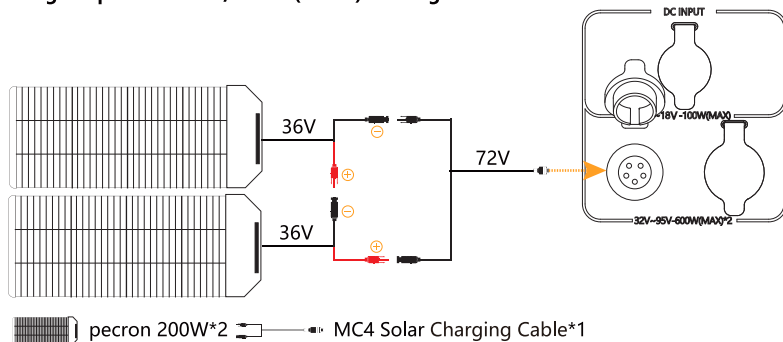


MC4 Solar Charging Cable\*1

※ 36V is the operating voltage of the solar panels

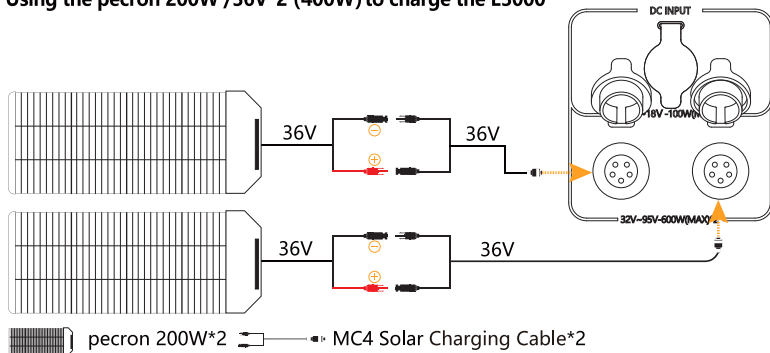
## USING SOLAR PANELS TO CHARGE THE E3000

Using the pecron 200W /36V\*2 (400W) to charge the E3000



※ 36V is the operating voltage of the solar panels

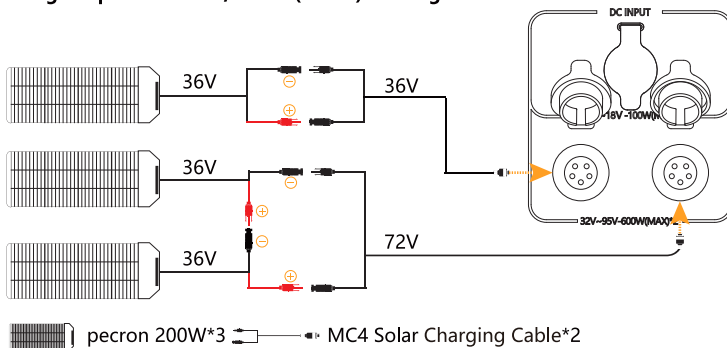
Using the pecron 200W /36V\*2 (400W) to charge the E3000



※ 36V is the operating voltage of the solar panels

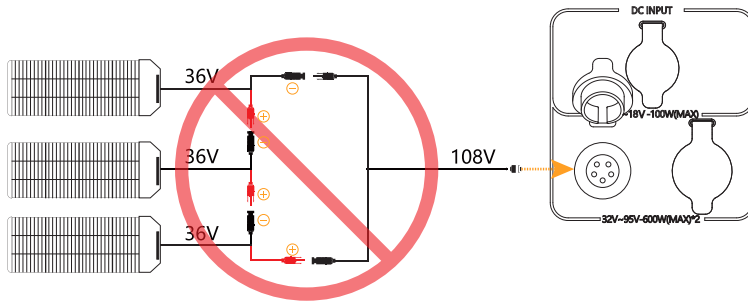
## USING SOLAR PANELS TO CHARGE THE E3000

Using the pecron 200W /36V\*3 (600W) to charge the E3000



※ 36V is the operating voltage of the solar panels

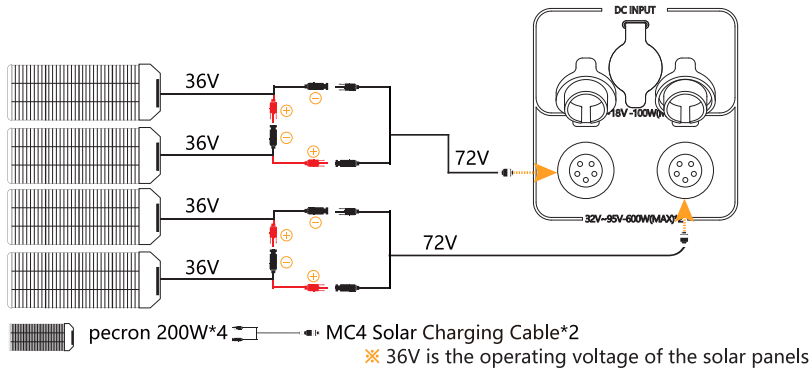
**DO NOT wire three solar panels in series!**



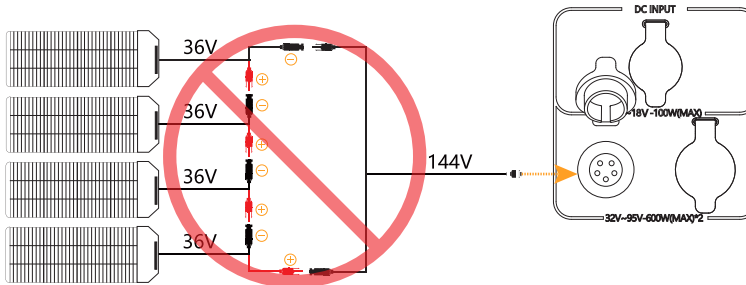
※ PV(GX16MF-5) Port Only work within 32V~95V Open Circuit voltage,exceeding 95V will damage the machine.

## USING SOLAR PANELS TO CHARGE THE E3000

Using the pecron 200W /36V\*4 (800W) to charge the E3000



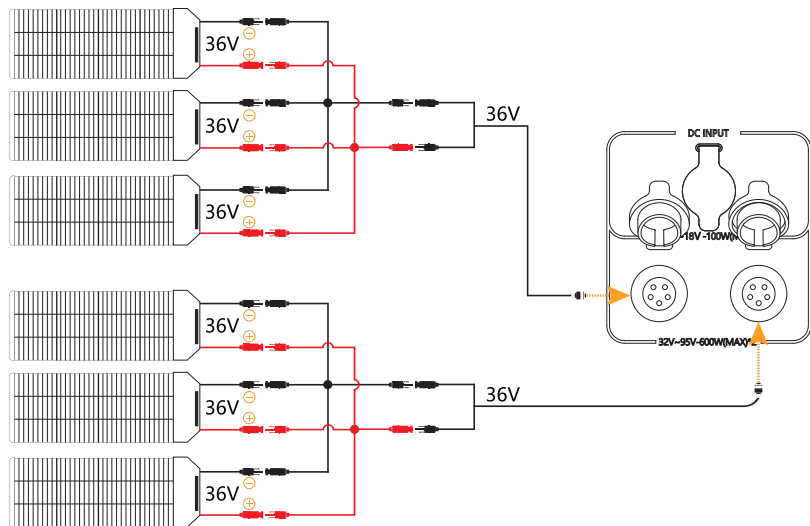
**DO NOT wire four solar panels in series!**



※ PV(GX16MF-5) Port Only work within 32V~95V Open Circuit voltage,exceeding 95V will damage the machine.

# USING SOLAR PANELS TO CHARGE THE E3000

Using the pecron 200W /36V\*6 (1200W) to charge the E3000



pecron 200W\*6



MC4 Solar Charging Cable\*2



Y Branch MC4 Charging Cable(+)\*2



Y Branch MC4 Charging Cable(-)\*2

※ 36V is the operating voltage of the solar panels

## FAQS

Q1: What kind of battery is used in E3000? How long it can last?

A: E3000 utilizes high quality UL certified automotive battery cell, it can retain 80% efficiency after 1000 complete charge cycles.

Q2: What devices can E3000 power?

A: E3000 can power most devices with power consumption less than 2000 watts.

Q3: Can the E3000 be used as UPS?

A: The UPS function is not supported.

Q4: Can the E3000 be charged while discharging?

A: Yes, E3000 can run devices while it is being charged. The battery will eventually run out if the discharging is greater than the charging during the pass through charging.

Q5: How to calculate the E3000 running time?

A:  $\text{Running Time} = \text{Total Capacity}(3108\text{Wh}) * 0.85 (\text{Depth of Discharge}) / \text{Loading Power}(\text{Watts})$

Q6: Can I use the E3000 indoors and charge the E3000 indoors?

A: Yes, the E3000 is safe to use indoors.

Q7: Does E3000 have built-in MPPT controller?

A: Yes, there are two independent 600W(PV 32V~95V) MPPT charge controllers inside, and one step up 100W (PV 18V) MPPT charge controller, The Voc ( Open Circuit Voltage) of the solar panels should not exceed 95V.

Q8: What kind of maintenance does E3000 require?

A: Charging E3000 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.

Q9: How to store the E3000?

A: Do not store, charge or use E3000 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](http://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](mailto:support@pecron.com)

WEBSITE: [www.pecron.com](http://www.pecron.com)

PECRON.LLC



**POWER IT POSSIBLE**

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..... support@pecron.com .....