



# USER MANUAL

## DC UPS



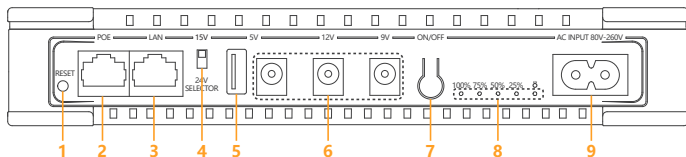
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DC UPS-US-V1.0

## THE MANUAL APPLIES TO MODELS

This user guide applies to D39 (38.48Wh) / D77 (76.96Wh) , which differ in battery capacity.  
Thank you for choosing our DC UPS. Please read this manual carefully before use to ensure optimal performance.

## FUNCTION INTRODUCTION



- |                                  |                                   |
|----------------------------------|-----------------------------------|
| 1 Reset Button of POE            | 6 5521 Port (DC Output)           |
| 2 PoE Port (Power Over Ethernet) | 7 Master Power Switch             |
| 3 Ethernet Input Port            | 8 Battery Level Indicators (LEDs) |
| 4 24V Selector Slider            | 9 AC Charging Port                |
| 5 USB-A Output Port              |                                   |

## SPECIFICATIONS

### GENERAL INFO

|                            |                                                                    |
|----------------------------|--------------------------------------------------------------------|
| Model                      | D39 / D77                                                          |
| Capacity                   | D39: 38.48Wh(14.8V2.6Ah)<br>D77: 76.96Wh(14.8V5.2Ah)               |
| Net Weight                 | D39: Around 500g / Around 1.1lb<br>D77: Around 700g / Around 1.5lb |
| Dimension                  | L199.6*W144.6*H34.6mm / L7.9*W5.7*H1.4in                           |
| Maximum Operating Altitude | 3000m                                                              |

### DC OUTPUT MODULE

|                                                                           |                                                              |
|---------------------------------------------------------------------------|--------------------------------------------------------------|
| DC 1 Output                                                               | 9V±0.3V, Max 2A, Max 18W                                     |
| DC 2 Output                                                               | 12V±0.3V, Max 2A, Max 24W                                    |
| DC 3 / USB-A Output                                                       | 5V±0.3V, Max 2.6A, Max 13W                                   |
| POE (Power over Ethernet) Output<br>(Voltage Selection Via Rocker Switch) | 15V±0.4V, Max 1.5A, Max 22.5W<br>24V±0.4V, Max 0.5A, Max 12W |

### AC&DC

|           |                                     |
|-----------|-------------------------------------|
| AC Input  | 80~260Vac, 50Hz / 60Hz, Max 0.6A    |
| DC Output | 16.7±0.2Vdc, Max 1.8A±0.1A, Max 30W |

### OPERATING TEMPERATURE

|                                 |                             |
|---------------------------------|-----------------------------|
| Discharging Ambient Temperature | -10°C ~ 45°C / 14°F ~ 113°F |
| Charging Ambient Temperature    | 0°C ~ 45°C / 32°F ~ 113°F   |
| Storage Ambient Temperature     | -10°C ~ 45°C / 14°F ~ 113°F |

## OPERATING INSTRUCTIONS



### 1: Reset Button of POE

Restart the device connected with the POE port.



### 2: 24V Selector Slider

Slide to select 15V or 24V output voltage.



### 3: Master Power Switch

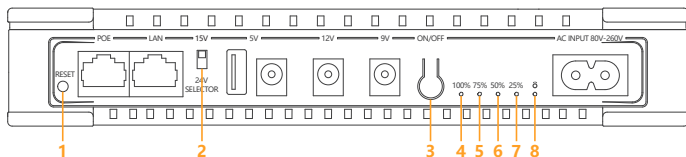
In the powered-off state, briefly press to display the remaining battery percentage, press and hold for 1 second to power on / press and hold for over 2 seconds to power off.

## Display during input

- 8** lights red when there is AC input , and **8** lights green when DC power is fully charged;
- 7** blinks when the capacity is below 25%, and it's always on when capacity is above 25%;
- 6** blinks when the capacity is below 50%, and it's always on when capacity is above 50%;
- 5** blinks when the capacity is below 75%, and it's always on when capacity is above 75%;
- 4** blinks when the capacity is below 100%, and it's always on when capacity is above 100%;

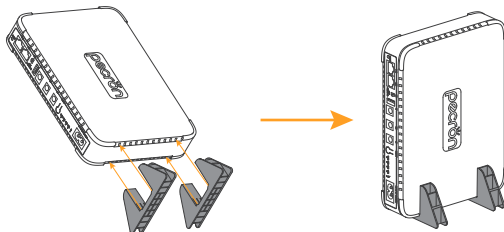
## Display during output

- 4** is always on when the capacity is above 80%, and it's off when capacity is below 80%;
- 5** is always on when the capacity is above 60%, and it's off when capacity is below 60%;
- 6** is always on when the capacity is above 40%, and it's off when capacity is below 40%;
- 7** is always on when the capacity is above 20%, and it's blinking when capacity is below 20%;



## BRACKET INSTRUCTIONS

When using the bracket to secure the D39/D77, please follow the diagram to insert the protrusions on the bracket into the heat dissipation holes on the main unit, then place it on a horizontal surface for use.



## PACKING LIST



PECRON DC UPS \*1



Mounting Brackets \*2



AC Cable \*1



5521 Bus / 5521 Busbar \*1



User Instruction \*1

Specifications and illustrations may vary depending on the country or region.  
Please refer to the actual product.

## MAINTENANCE AND CARE

1. Store the device in an environment with a temperature range of -10°C(14°F) to 45°C(113°F). The recommended temperature range is approximately 0°C (32°F) to 30°C (86°F) to maintain battery health.
2. Store the product in a dry, cool, well-ventilated, and safe areas to reduce the risk of falls.
3. Ensure the device is kept away from water sources, heat sources, strong magnetic fields, corrosive gas environments, and any flammable or explosive substances.
4. Fully charge the device at least once every two months. Prolonged periods without a full charge may result in inaccurate battery levels and reduced battery consistency.

5. If storing the product long-term, please ensure to perform a charge and discharge cycle (fully charge, then discharge to 60% for storage) every three months to maintain battery health.
6. Do not leave the device uncharged or unused for more than 6 months. Otherwise, the warranty will be void.
7. If the power interface is dirty, please clean it with a dry cloth.  
Do not use alcohol or other flammable agents for cleaning.

## 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 this product near heat sources, such as open flames or heating furnaces, while it is in operation.
2. Do not allow this product to come into contact with any liquids. Do not submerge it in water or expose it to moisture. Do not use this product in the rain or in damp environments.
3. Do not use this product in environments with strong static electricity or magnetic fields.
4. Do not disassemble this product or puncture it with sharp objects in any way.
5. Do not cause a short circuit in this product using wires or other metal objects.
6. Do not use this product to directly start a vehicle;  
it is only intended for charging vehicle batteries.
7. Do not use non-official parts or accessories.  
If replacement is needed, please contact PECRON Baikelong's official sales channels for purchase information.
8. When using this product, strictly adhere to the operating temperature specified in this user manual. Excessively high temperatures may cause the battery to catch fire or even explode; excessively low temperatures may significantly reduce product performance or render it unusable.
9. Do not place heavy objects on top of this product.
10. Do not force the fan to stop spinning during use, or expose the product to poorly ventilated or dusty environments.

11. Avoid impacts, drops, or severe vibrations. If the product is subjected to severe external force, immediately turn off the power and cease use. Secure the product during transportation to prevent vibrations and impacts.
12. If the product accidentally falls into water during use, place it in a safe, open area and keep it away from the product until it is completely dry. The dried product must not be reused and should be disposed of properly according to the disposal section of this document. If the product catches fire, use fire extinguishing equipment in the following recommended order: water or water mist, sand, fire blanket, dry powder, or carbon dioxide fire extinguisher.
13. If the product's interfaces are dirty, clean them with a dry cloth.
14. Handle the product carefully to prevent it from tipping over and causing damage. If the product tips over and suffers severe damage, immediately shut it down, place the battery in an open area away from flammable materials and people, and dispose of it in accordance with local laws and regulations.
15. Store the product in a location inaccessible to children and pets.

## DISPOSAL

1. When conditions permit, please ensure that the battery in this product is completely discharged before placing the product in the designated battery recycling bin. This product contains a battery, which is a kind of hazardous chemical. It is strictly prohibited to dispose of it in a regular rubbish bin. For further details, please follow the local laws and regulations regarding battery recycling and disposal.
2. If the battery cannot be fully discharged due to a malfunction of this product, do not dispose of the battery directly in the battery recycling bin. Instead, contact a professional battery recycling company for further handling.
3. Batteries that have been over-discharged will not be able to start. Please dispose of them as waste.

## 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.

### NEED HELP? WE'RE HERE FOR YOU!

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

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

Call Us: +1 888 906 5997 ( 9am -5pm EST, Mon. -Fri.)

PLEASE NOTE YOUR ORDER NUMBER AND PLATFORM OF PURCHASE,  
SO WE CAN QUICKLY HELP YOU CHECK THE ORDER INFO AND SOLVE IT.

**PECRON THANK YOU FOR YOUR SUPPORT AND COOPERATION!**

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