USER'S MANUAL

Power-Buddies 60W / 100W



Thank you for purchasing a Power-Buddies UPS. Before operating this product, please ensure that you read the user manual carefully to ensure you optimise the performance and keep it maintained for trouble free operation.

PRODUCT DESCRIPTION

The versatile Power-Buddies series UPSes are simple to install and allows you to power various devices during power outages. With multiple-voltage DC outputs, you can power various DC devices with different voltage requirements.

Keep the internet up so you can continue to work from home during power outages by connecting your Router and ONU (Optical Network Unit) to the UPS. The USB Ports provided also allow you to charge your mobile devices such as cell phones and tablets.

For the advanced users, connect your VoIP (Voice over IP) phone and an AP (Access Points) via the two Gigabit Power Over Ethernet (POE) ports.

For those with security requirements, you can connect CCTV cameras, DVRs, NVRs and even POE switches during power interruptions for peace of mind.

Featuring high-capacity LiFePo4 batteries with safety protocols such as over-charge, over-discharge and short circuit protection.

PACKAGE CONTENTS

1) 1 × DCP-UPS.

2) 1 × 0.8m AC power cable.

3) 1 × 1 m 5.5*2.5 female to 5.5*2.5 male DC Power Cable.

4) 1 × 0.5 m One-to-One 5.5*2.5 male to 5.5*2.5 male DC Power Cable.

5) 1 × 0.5 m One-to-Two 5.5*2.5 male to 5.5*2.5 male DC Power Cable.

6) 1 × 0.5 m One-to-Three 5.5*2.5 male to 5.5*2.5 male DC Power Cable.

7) Power convertor: 5.5x2.5 female to 5.5x2.5 male, 90°.

8) Power convertor: 5.5x2.5 female to 3.5x1.35 male.

9) Power convertor: 5.5x2.5 female to 5.5x2.1 male.

10) 1 × Wall-mounted metal fitting

11) Wall-mount fixing screws

12) User's Manual

UPS Front and Back Panel

① AC input socket (100 ~ 240Vac 50/60Hz)

② DC input socket (12 ~ 24V DC 2.5A max)

③ Output voltage Selector (9V/12V)

④ Output port (9V/12V)

⑤ Output port (12V)

⑥ Output port (12V)

⑦ Output port (12V)

⑧ Output port(48V)

⑨ Output voltage Selector (POE)

⑩ Ethernet output interface (POE output)

⑪ LAN Ethernet interface

⑫ Output voltage Selector (POE)

⑬ Ethernet output interface (POE output)

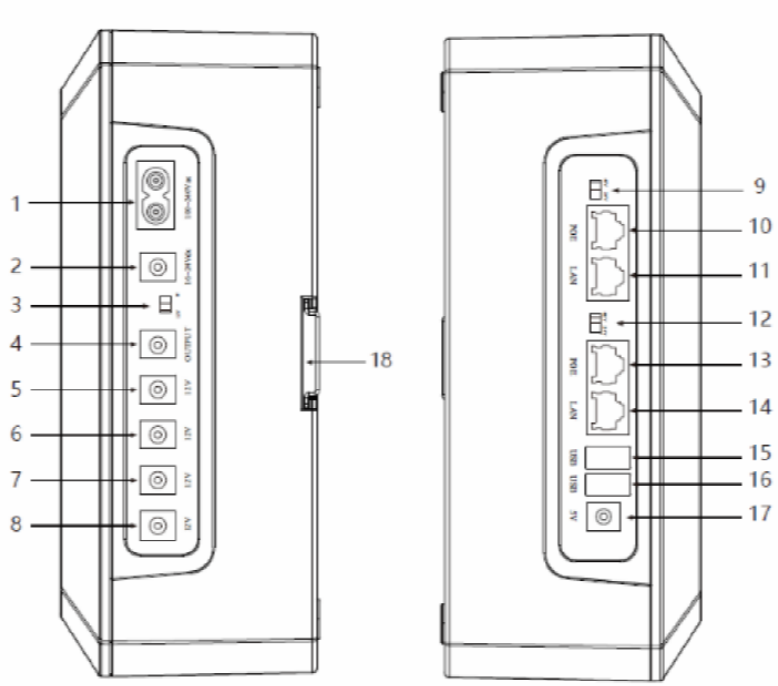
⑭ LAN Ethernet interface

⑮ USB (5Vdc) output port

⑯ USB (5Vdc) output port

⑰ Output port(5V)

⑱ Wall brackets



UPS Control Panel

a. ON/OFF Button

b. Power icon

c. Digital display area

d. AC voltage units

e. DC voltage units

f. Time units

g. Power units

h. Percentage

i. AC mode icon

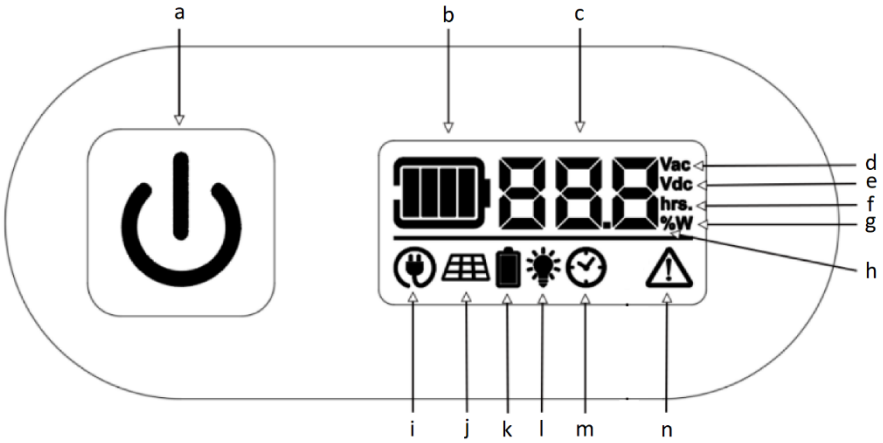
j. DC mode icon

k. Battery mode icon

l. Load Icon

m. Time icon (Model Dependent)

n. Warning icon



FEATURES

- Power your Router and ONU (Optical Network Unit) during power outages.
- Keep your mobile devices charged with dual USB ports.
- Power your CCTV cameras and VoIP phones with Gigabit POE.
- Compatible with a wide range of routers.
- Supports computers and devices with 48V requirements.
- 165Wh High-capacity LiFePo4 batteries.
- Intelligent protective design with over-charge, over-discharge and short circuit protection.



Note: Images are for illustration purposes only. The exact features and capabilities available are determined by the model and features included in your selected UPS. Please see the specification section for more detail.

WARNING

- Please ensure that the combined power draw (Watt) of connected devices does not exceed your UPS model specifications (60W/100W).
- Ensure the voltage of the output port does not exceed the maximum allowed voltage of the connected device, especially ports with voltage selectors.

Failure to adhere to this warning may result in damage to connected devices.

Additional Safety Information

1. Please check the voltage, current and polarity specifications of the device you intend to connect to the UPS and make sure that the corresponding voltage is selected on the UPS before you connect the device.
2. Please charge fully before initial use.
3. Avoid any physical damage to the UPS.
4. Do not attempt to open or disassemble the UPS.
5. Do not expose the UPS to water or liquids.
6. Do not expose the UPS to heat, open flames or flammable environments.
7. Keep the UPS out of reach from children as this may be a health hazard.
8. Do not replace the battery in this UPS with any unauthorized replacement as this may cause power safety protocols to fail.
9. Do not dispose of the battery into open fires, melting furnaces, or by mechanically crushing / cutting it as this may result in an explosion.
10. Do not expose the battery to extremely high temperature environments as this may result in an explosion or the leakage of flammable liquid / gas.
11. Do not expose the battery to extremely low air pressure environments as this may result in an explosion or the leakage of flammable liquid / gas.

Operating Instructions

1. In the event of a power failure and the UPS batteries are depleted, the UPS battery indicator will start flashing. If power is not restored, the UPS will power off. To protect the lifespan of UPS's batteries, do not attempt to switch it on before the main power supply has been restored.
2. Before connecting any device to the UPS, verify the working voltage, current and polarity of the loads before connecting them. Their nominal working voltage, current and polarity can be found on the device or their original power supplies.
3. Ensure that the combined power requirements of the connected devices do not exceed the maximum Watt rating of the UPS model. (60W / 100W See Specifications for more details)
4. If the unit's maximum Watt rating is exceeded, the display will blink with error code E06. At this point all output ports will be deactivated. To resume normal operation, reduce the load and switch the UPS on again.
5. To switch on the UPS, press and hold the power button/switch for 2-3 seconds. All ports will be powered on.
6. To switch off the UPS, press and hold the power button/switch for 2-3 seconds. All ports will be powered off.
7. Some of the ports have variable voltages that can be selected through a voltage selector. To avoid damage to your connected device please ensure the correct voltage is selected prior to connecting the device.
    a. Two passive PoE output ports (24V / 48V)
    b. One DC Output port - No. 4 on front panel diagram (9V / 12V)
8. The screen will display the power status, and there is a corresponding charging / discharging indicator.
9. The LCD screen battery indicator shows four bars representing 25%, 50%, 75% and 100%. When the batteries are fully charged, all the bars in the battery indicator will be on.
10. The bars in the battery indicator will go off one by one as the battery capacity reduces from 100%, 75%, 50% and 25%.
11. When the screen flashes, it means the battery power is about to run out. When the screen stops flashing, the device enters the over-discharge protection state and shuts down. Normal operation will only continue when main power is restored.
12. If left unused, fully charged batteries may drain over time. To protect battery lifespan, ensure that batteries are fully charged regularly if the UPS is not in use for prolonged periods.

SPECIFICATIONS

Model		
	60W / 165Wh	100W / 165Wh
Input	100 ~ 240Vac 50/60Hz	
	12 ~ 24V dc / Solar (2.5A max)	
Output	1 × 9V/12V (2A)(selectable)	
	3 × 12V(8A)	
	1 × 48V(2A)	
	2 × 24V / 48V (POE 1 Gbps)	
	1 × 5VDC +2 × USB(2.4A)	
Output polarity	DC - Output / Passive POE (+ pins 4,5 - pins 7,8)	
Max Power output	60W	100W
Battery capacity	52000mah	
Charge time	+- 2 Hours	
Battery Specification	LiFePO4 - 8 X 6500mAh	
Unit dimension (mm)	214 × 158.5 x 86	

Note: Net weight is related to battery specifications and options.

INPUT POWER PRIORITY

The unit comes with both AC and DC input. In the event that both are present, the AC Input will take priority over DC input.

LIMITED WARRANTY

The warranty covers the product for any defects in material and workmanship during the warranty period.

The warrantee excludes damage and malfunctions associated with physical damage, misuse, negligence or improper environmental conditions.

For warranty claims and repairs, please contact your local authorized reseller/service center.