FONRI

Wi-Fi

SMART MINI DC UPS 30W
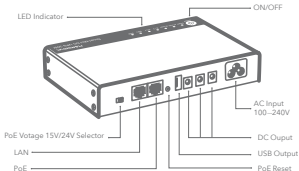
USER GUIDE

INDEX

Product Introduction

LED Indicator

ON/OFF

PoE Votage 15V/24V Selector

LAN

PoE

AC Input 100~240V

DC Ouput

USB Output

PoE Reset

▶▶ Technical Specifications

Model: KP5

Battery Capacity: 8800mAh/3.7V 32.5Wh

Input: 100-240VAC / 0.5A

Output: PoE 15V / 24V (Selectable) / 1.0A

             DC 12V / 2.0A

             DC 9V / 2.5A
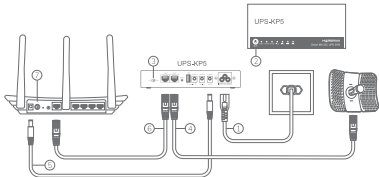
             DC 5V / 2.5A

             USB 5V / 2.5A

Total Output: 30W (Max)

Weight: 600g

Dimension: 106mm*167mm*28mm

Installation

Typical topology 1

① Connect the power cable to the KP5

② Press and hold the power button for 2-3 seconds to start the UPS

③ Choose the right voltage your outdoor CPE requires by the selector

④ Connect the outdoor CPE to the KP5's PoE port via an ethernet cable

⑤ Connect the router to the KP5's DC output port via DC cable

⑥ Connect the router to the KP5's LAN port via an ethernet cable
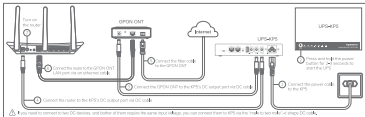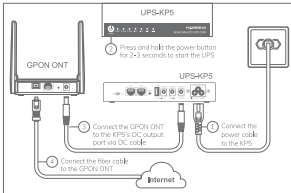
⑦ Turn on the router

⚠ Caution

Before connecting to KP5

1. Your internet configuration should be completed.

2. Please double check the voltage your device requires. KP5 supports PoE 15V/24V, DC 9V/12V output only.

ⓘ You can check the required input power via your devices user manual or listed on your device, or you can contact your devices' manufactures.

Typical topology 2

Turn on
the router

OPON ONT

Connect the router to the GPON ONT
LAN port via an ethernet cable

Connect the router to the KPS's DC output port via DC cable

Connect the filter cable
to the RPON ONT

Internet

Connect the GPON ONT to the KPS's DC output port via DC cable

UPS4PS

UPS4PS

Press and hold the power
button for 2 seconds to
power on the UPS

Connect the power
cable to the UPS

Connect the router
to the KPS

If you need to connect to two DC devices, and neither of them require the same input voltage, you can connect them to KPS via the "main DC box on KPS".

Typical topology 3

UPS-KP5

② Press and hold the power button for 2~3 seconds to start the UPS

GPON ONT

UPS-KP5

③ Connect the GPON ONT to the KP5's DC output port via DC cable

① Connect the power cable to the KP5

④ Connect the fiber cable to the GPON ONT

Internet

Safety and handling

Important safety information

Handle KPS with care. It contains sensitive electronic components, including batteries, and can be damaged, impair functionality, or cause injury if dropped, burned, punctured, crushed, disassembled, or if exposed to exposed to excessive heat or liquid or to environments having high concentrations of industrial chemicals, including near evaporating liqufied gasses such as helium. Don't use damaged KPS.

Batteries

Don't attempt to replace batteries yourself. You may damage the batteries, which could cause overheating and injury.

Circuit protection

When overload or short circuit happens, all outputs will be turned off, the power indicators will flash at the same time, KPS will restart every five seconds to until short circuit or overload has been lifted.

Choking Hazard

KPS and small parts included with KPS may present a choking hazard or cause other injury to small children. Keep them away from small children.

Medical device interference

KPS contains components and radios that emit electromagnetic fields. KPS also contains magnets. These electromagnetic fields and magnets may interfere with pacemakers, defibrillators, or other medical devices. Maintain a safe distance of separation between your medical device and KPS. Consult your physician and medical device manufacturer for information specific your medical device. Stop using KPS if you suspect they are interfering with your pacemaker, defibrillator, or any other medical devices.

AC mode

The battery is charged automatically; Press and hold the on/off switch for 2 seconds, to turn on all outputs; Press and hold the on/off switch for 2 seconds, to turn on all outputs; Press and hold the on/off switch for 2 seconds again, all outputs will be turned off, but stay charging the battery.

DC mode

If the grid is disconnected, UPS automatically convert to DC mode and battery provides power to the loads. Press and hold the on/off switch for 2 seconds, all outputs will be turned off. If you want to run on the DC UPS again, press and hold the on/off switch for 2 seconds, all outputs will be turn on.

Note

1. Each output terminal of this model has independent output power protection and short-circuit protection. Meanwhile there is a general power protection mechanism. The power of the load connected to all ports cannot exceed the defaulted output power. Otherwise, the corresponding port will turn off. When the UPS is over loaded, the 4 power indicator lights will flash at the same time and all output ports will turn off. The UPS will restart every 5 seconds. Please reduce the loaded devices until UPS working properly.

2. Press and hold the power button for 2-3 seconds to start the UPS. The output voltage of the POE port can be selected between 15V and 24V by the selector.

3. When UPS work in AC mode, the AC mode indicator turns green. The grid will provide power to the loaded devices and recharging the UPS battery. After the grid is disconnected, the battery mode indicator will turn red, UPS battery provides power to the loaded devices. Power indicator will show the accurate power status. When the 25% indicator flashes, it means the battery power is very low, and the UPS will stop output at any time. UPS automatically shuts down when the battery is low. And it will automatically restart when the AC is restored.

4. If you do not use it for a long time, please keep it fully charged and press the power switch to OFF state, and keep it in a cool place. It is recommended to charge the battery every 3 months.