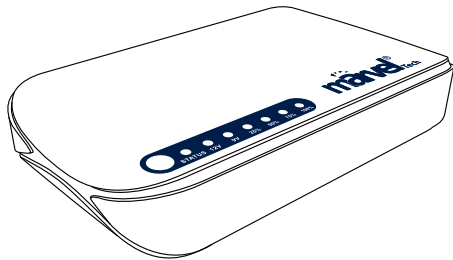




MDU-POE LFP 20 USER'S MANUAL



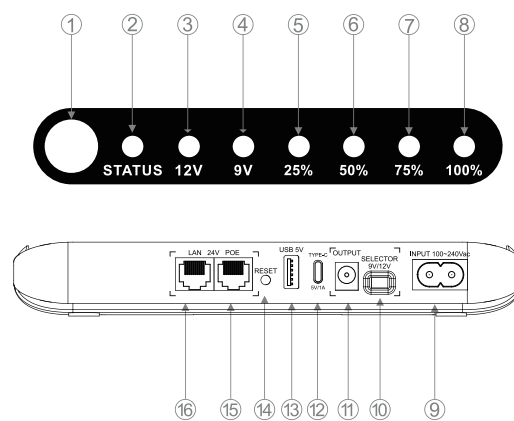
Thank you for choosing our Mini DC UPS. Before operating this unit, please read the USER'S MANUAL carefully in order to make sure that the best possible performance is obtained.

1. POE UPS package

- 1) MDU-POE LFP 20
- 2) AC power cable
- 3) DC output cables (2 ends)
- 4) User's manual
- 5) Warranty card

2. Instructions of the components

- | | |
|------------------------------------|---|
| 1) ON/OFF Switch | 10) Output Voltage Selector(9V/12V) |
| 2) Work status indicator | 11) Output socket(9V/12V) |
| 3) 12Vdc LED indicator selectable | 12) Type-C (5Vdc) output |
| 4) 9Vdc LED indicator selectable | 13) USB (5Vdc) output |
| 5) 25% BAT capacity LED indicator | 14) Reset button for POE devices |
| 6) 50% BAT capacity LED indicator | 15) Ethernet output interface (POE output: 24V) |
| 7) 75% BAT capacity LED indicator | 16) LAN ethernet interface |
| 8) 100% BAT capacity LED indicator | |
| 9) AC input socket | |



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3. Features

- 1) High performance lithium iron phosphate battery, provides long backup to the loads.
- 2) High compatibility, suitable for most digital products in the market.
- 3) USB output (5V), can supply charging for digital products like mobile phone, PDA, IPOD, MP4 etc.
- 4) Power over Ethernet (POE) can transmit the data and power at the same time to simplify wire set.
- 5) Intelligent circuit design with over-charging, over-discharging and short circuit protections.
- 6) Built-in adapter allows wide AC voltage range (100-240Vac).

4. High compatibility



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5. How to use



1. Before connecting the devices to the UPS, you must check the nominal working voltage, current and polarity of the load, then adjust the voltage of the UPS to the corresponding load voltage, confirm that the corresponding port is correct then connect to the load to prevent the machine from being burned out by connecting the wrong voltage.
2. Each output terminal of this model has independent output power protection and short-circuit protection, and has 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 total power setting is exceeded, the 4 power indicator lights will flash at the same time and all output ports will turn off. Please remove the overloaded load. The UPS will restart every 5 seconds. UPS work continuously when the load within overload protection range.
3. Press and hold the power button for 2-3 seconds to start the UPS. If the 9V or 12V indicator light is green, it indicates that the DC port is outputting voltage. By moving the DC voltage switch, the output voltage can be selected between 9V and 12V. POE output voltage is 24V. Plug and play USB and Type-C provide stable 5V power supply for digital products.
4. After plugging in the AC mains supply, the status indicator turns green, it means AC mode. During the charging process, the power indicator will indicate the battery capacity with 25%, 50%, 75% and 100% power respectively. After disconnecting the grid, the battery backup status indicator will turn red, and the power indicator will turn off from 100%, 75%, 50% to 25%. When the 25% indicator flashes, it means the battery power is very low, and the UPS will stop output at any time.

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i Please do not arbitrarily disassemble, squeeze, short circuit the batteries or dispose the batteries into water or fire. Do not put the UPS in any place where is over 60 C (140 F).

5. After the UPS automatically shuts down when the battery is low, it will automatically restart the output when the AC is restored.
6. 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.

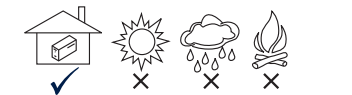
6. Specifications

Model	MDU-POE LFP 20			
Rated working voltage	100-240Vac / 50-60Hz			
Output power(Max.)	18W			
Output	USB	Type-C	DC	POE
Output voltage(selectable)	5Vdc	5Vdc	9Vdc/12Vdc	24Vdc
Output polarity				+4,5pins -7,8pins
Output power & current	5V2A	5V1A	9V2A /12V1.5A	24V0.7A
QTY. & capacity of battery	5000mAh*4			
Unit dimension(mm)	206*120*35			
Net weight(kg)	0.64			

* Products specifications are subject to change without notice.

Warning

1. Do check the working voltage, current and polarity of the loads before connecting them to the UPS, then choose the corresponding voltage.
2. Please charge fully before initial use.
3. Dropping, hitting, disassembling and repairing privately are forbidden.
4. Do not put the UPS into water or make it wet
5. Do not dispose of the UPS in fire or heating it.
6. Do not use the UPS in any flammable environments.
7. Do not put the UPS in any place where children can reach.



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