



ML15-12.8 DP User Manual

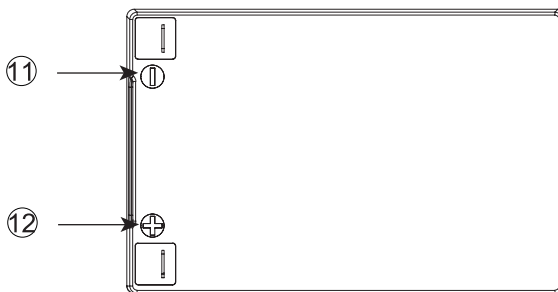
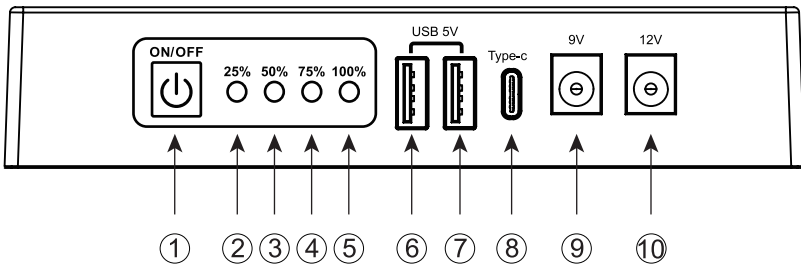
This manual describes the assembly, installation, operation and troubleshooting of this unit .
Please read this manual carefully before installations and operations.

1. DC UPS List of contents

- | | |
|------------------------------|------------------|
| 1) ML15-12.8 DP Battery pack | 3) User manual |
| 2) DC output cables (2 ends) | 4) Warranty card |

2. Part Description

- | | |
|-------------------------|------------------------------------|
| 1) ON/OFF switch | 7) Output USB(DC5V) |
| 2) 25% BAT capacity LED | 8) Output TYPE-C(PD2.0) |
| 3) 50% BAT capacity LED | 9) Output socket 9V |
| 4) 75% BAT capacity LED | 10) Output socket 12V |
| 5) 100%BAT capacity LED | 11) B-(250-pin terminal connector) |
| 6) Output USB(DC5V) | 12) B+(250-pin terminal connector) |



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 mobilephone,PDA,PSP, IPOD, MP4... etc.
- 4) Intelligent circuit design with over-charging, over-discharging and short circuit protections.

4. Supports high current discharge



5 . How to use



- 1) Only use an LFP-compatible charger (floating voltage: 14.2V - 14.5V, maximum charger current < 8A) to charge the battery pack through the + and - terminals on the top of the battery pack case. During the charging process, the corresponding power indicator will flash like a breathing light.
- 2) Press the power ON/OFF button for 2 to 3 seconds to control the switching of the output DC port on and off. When in the ON state, the output indicator shows the current battery power and turns on the DC port output. When in the OFF state, the power indicator is off and the DC output port is closed.
- 3) When charging and discharging using the + and - terminals on the top of the battery pack, there is no need to press the ON/OFF switch for control.
- 4) Before connecting the load to the battery pack, check the corresponding working voltage of the load device, then check the voltage of the battery pack, and then connect the load to the corresponding output voltage port of the battery pack to prevent burning the machine due to incorrect voltage access.
- 5) When the battery power is low, the battery pack will automatically shut down. Please charge it in time.
- 6) Do not connect an inappropriate load or exceed the rated power. The maximum discharge current is 10A. Do not short-circuit the various terminals of the battery. When the + and - terminals of the battery are short-circuited, after removing the short circuit, connect the charger to activate the output.
- 7) Do not connect batteries in series or in parallel, and do not disassemble the battery pack by yourself.
- 8) If this product is not used for a long time, please put the battery pack switch in the OFF state and charge it to more than 75% of power. It is recommended to charge it once every 6 months and place it in a cool and dry environment.

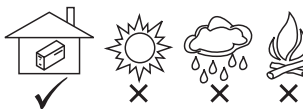
6. Specification

| | | | | | |
|-----------------------|----------------------|-----------|-------|-------|-------------|
| MODEL | ML15-12.8 DP | | | | |
| Input | DC14.2-14.5V/8A MAX. | | | | |
| Output Port | USBA*2 | TYPE-C | DC1 | DC2 | +/(250-pin) |
| Output voltage | 5Vdc | 5Vdc/9Vdc | 9Vdc | 12Vdc | 12V |
| Output polarity | / | | - ⊖ + | | / |
| Output current (Max.) | 3.0A | 2.4A/2.0A | 3.0A | 3.0A | 10A |
| Battery pack power | 12.8V15Ah 192Wh | | | | |
| Unit dimension(mm) | 150.7*98.2*111.5mm | | | | |
| Net weight(kg) | 1.5kg | | | | |



Warn:

1. Access the matching voltage according to the specifications to charge the product, and prohibit accessing the voltage that does not meet the specifications;
2. Do not hit the battery with heavy objects;
3. Do not open the battery or transform the internal and external structure of the battery;
4. Do not use metal wire or metal objects to directly connect to the positive and negative poles of the battery port;
5. If the battery cannot be immersed in water and exposed to the rain, it may make the circuit in the battery fail, resulting in excessive current or excessive voltage when the battery is charged, and the battery may have abnormal chemical reaction, producing heat, smoke, explosion or fire and other phenomena;
6. The battery can not be placed in the fire or heated, which is easy to melt the diaphragm of the battery at high temperature, causing an internal short circuit, which may make the battery have heat, smoke, explosion or fire, etc.;
7. Do not use or place batteries near fire or other heat sources (over 80°C), and do not store them in high temperature environment (> 35°C); do not charge the battery under exposure;



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).