

## DWM50 Rechargeable Battery Pack

### Instruction Manual

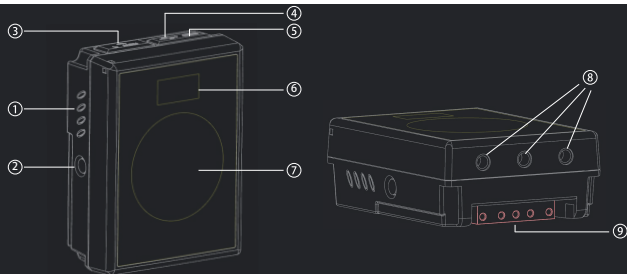
Thank you for purchasing Dynacore rechargeable self charging Lithium-ion battery pack. Prior to using Dynacore battery, we strongly recommend that you read this instruction manual and keep this manual for future reference. If you have any additional questions, please contact Dynacore staff for help.

#### Warning

**Remember the following precautions to avoid fire and other safety hazards!**

- Do not use the battery in a place where there is fire or heat to prevent overheating and rupture.
- Do not Pierce the battery case or attempt to open the case or disassemble the battery.
- Do not use the battery outside the ambient temperature for charging, discharging, and storage.
- Do not charge the battery in the car or in direct sunlight.
- Do not use the damaged battery.
- Do not squeeze the shell which may cause physical impact.
- Make sure the power-consuming equipment(s) meet the battery specifications.
- Please use **Dynacore** charger or **Dynacore** recommended charger to prevent overheating, rupture and other dangers.
- Keep out of the reach of children.

#### Appearance



- |  |   |
|--|---|
| ① LED power indicator                              | ⑤ TYPE-C: Standard protective rubber plug |
| ② Mechanical button                                | ⑥ LED screen                              |
| ③ D-TAP: Standard protective rubber plug           | ⑦ Wireless charging                       |
| ④ USB-A Interface: Standard protective rubber plug | ⑧ 1/4" screw hole                         |
|  | ⑨ BP Input/Output                         |

## Attention

- It is normal for batteries getting hot during charging and using.
- Do not use the battery in a high temperature environment above 60°C.
- Keep the electrodes clean to ensure a better use experience
- Keep the battery in a cool and dry place for long-term storage. It is recommended to keep the battery power above 50%.




## Features

- OLED intelligent display of battery power .
- Shell with high impact resistance flame retardant material, coupled with strong structural design, all aspects to meet the safety requirements .
- Simple modular design inside, no wire welding, reduce internal resistance, stable and reliable.
- Built-in multiple protection circuit, high temperature, low temperature, over voltage, under voltage, over current, short circuit and other all-round protection, effectively prevent the safety hidden danger caused by improper use.
- Triple overcurrent protection design, meet the high start power requirements of the equipment and improve the safety performance of the battery.
- Ultra-low power consumption design: the battery automatically enters the low-power hibernation mode when standing, without any operation, and can automatically wake up when in use; After standing for a long time, it will automatically enter the sleep mode, which can effectively prevent the battery voltage from being too low due to self-consumption, which will affect the battery life or even scrap. Press the button to restore.
- D-TAP, Type-C, and USB-A ports all support the automatic start of device insertion detection function. When no device is connected to the port, the port is in the low-power state. When device insertion is detected, the port automatically turns on the output. Dual D-TAP interface, 16V constant voltage output, can supply power to two low voltage devices at the same time as the main output interface for high voltage devices.
- Type-C 60W output and 30W Input.
- Type-C and USB-A are independently designed to meet the charging requirements of two mobile phones, tablets and other portable devices at the same time, and the charging speed is not affected by each other.
- High performance rechargeable lithium ion battery, no memory effect.

## Charging Instruction

- Battery can be charged with V-Mount charger and Type-c interface. When the battery is inserted into the charger, the OLED thunder logo appears, indicating that it enters the charging state. The battery can be charged in a temperature range of 0~40°C, but we recommend charging in a temperature range of 10~30°C to ensure the best performance of the battery.

## Discharging Instruction

- Discharge Status Indicators: When the battery is discharging through the USB-C port, the icon  will display.
- Load Status Indicators: When both the USB-A connector and the wireless charging connector are in use, the icons  will  illuminate.
- Activation of wireless charging Port: Press the button to turn on the output of wireless charging. If wireless charging is not used within 20 seconds, wireless charging will shut off automatically.
- Overload Protection: Overloading the USB-A, DC, or USB-C ports will result in automatic shutdown of the output, indicated by the corresponding icon disappearing. Please disconnect the load and wait for the battery to recover automatically.
- Protective Rubber Cap: After use, promptly cover the USB-A、USB-C、D-tap port with the rubber cap to prevent dustingress.
- Temperature Considerations: Battery discharge time is reduced at low temperatures, and automatic cutoff may occur under heavy loads. The batteries are capable of discharging from -20°C to 50°C, with optimal performance achieved within the temperature range of -10°C to 40°C

## OLED Display Instruction

### 1. The battery is standing and charging



- ① Show capacity percentage.
- ② Charging screen status.
- ③ D-TAP or BP discharging.
- ④ Show USB-A logo when discharging via USB-A; Show USB-C logo when discharging via TYPE-C; Show wireless charging logo when discharging via wireless charging.
- ⑤ When capacity is under 10%, charging icon will flicker.
- ⑥ Long press the button for 5 seconds to switch to display cycling times.

## Specifications

Voltage	14.8V (11-16.8V)
Capacity	50Wh/3.4Ah
Constant load	100W / 8A
Mount Type	V-mount
D-tap	14.8V / 8A
USB-C	60W out 5V/9V/12V/15V/20V(Max) $\overline{\text{---}}$ 3A BC1.2, PD2.0/3.0, QC2.0/3.0, FCP, SCP 30W in 5V/9V/12V/15V $\overline{\text{---}}$ 3A; 20V(Max) $\overline{\text{---}}$ 1.5A
USB-A	10W, 5V/2A
Wireless	15W
Charging Temperature	0-40 C
Discharging Temperature	-20 C-50 C
Net weight	Net 0.34Kg
Dimensions	102.2×74.8×36.3mm