

## D Series MINI Rechargeable Battery Pack Instruction Manual

Thank you for purchasing Dynacore rechargeable 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.

### Features

- Ultra light weight, super compact size, high capacity Lithium-ion battery pack.
- Five-step LED power status indicator shows accurately remaining battery capacity.
- Built-in D-Tap connector for camera light.
- Industry standard Power Tap& USB output(5V, 2A) can fit to On-board camera light and other accessories. Before using the USB output, long press the LED check button for 3 seconds to activate it.
- Non-memory effect.
- Environment-friendly: No poisonous elements such as hydrargyrum and cadmium, ect.

### Specifications

Note: In the battery model S/A: S=Sony V-Mount; A=Gold Mount

Model	Battery Type	Voltage	Capacity	Max Output	Dimension	Weight	Operating Temperature
D-95MS	V-Mount	14.8V	95Wh/6,6Ah	70W,6A	130x90x59(mm)	0.83Kg	-30°C~+50°C
D-95MA	Gold Mount	14.8V	95Wh/6,6Ah	70W,6A	130x90x67(mm)	0.85Kg	-30°C~+50°C
D-130MS	V-Mount	14.8V	130Wh/8,7Ah	100W,8A	130x90x59(mm)	0.83Kg	-30°C~+50°C
D-130MA	Gold Mount	14.8V	130Wh/8,7Ah	100W,8A	130x90x67(mm)	0.85Kg	-30°C~+50°C
D-155MS	V-Mount	14.8V	155Wh/10,5Ah	150W,12A	130x90x59(mm)	0.83Kg	-30°C~+50°C
D-155MA	Gold Mount	14.8V	155Wh/10,5Ah	150W,12A	130x90x67(mm)	0.85Kg	-30°C~+50°C
D-200MS	V-Mount	14.8V	200Wh/14Ah	220W,18A	130x90x75(mm)	1.03Kg	-30°C~+50°C
D-200MA	Gold Mount	14.8V	200Wh/14Ah	220W,18A	130x90x83(mm)	1.05Kg	-30°C~+50°C
D-310MS	V-Mount	14.8V	310Wh/21Ah	220W,18A	130x90x84(mm)	1.40Kg	-30°C~+50°C
D-310MA	Gold Mount	14.8V	310Wh/21Ah	220W,18A	130x90x92(mm)	1.42Kg	-30°C~+50°C

- Cell Chemistry: Lithium-ion
- Ambient temperature:  
 To Charge: 0°C~40°C(10°C~30°C recommended)  
 To Discharge: -20°C~50°C(10°C~40°C recommended)  
 To Store: -20°C~60°C(≤1 month) ( 0°C~20°C recommended)  
           -20°C~40°C(≤3 months)  
           -20°C~20°C(≤1 year)

### Charging Dynacore Battery

- Dynacore Chargers are strongly recommended to charge Dynacore batteries. For optimum use, we highly recommend charging current do not exceed 3.0A. Please Refer to the user manual of Dynacore charger for description of the charging procedure.
- Approximate charge time may vary depending on chargers and conditions.
- The battery pack can be charged within a temperature range of 0°C~45°C. For optimum charger performance 10°C~30°C is recommended.

- Approximate charge time with Dynacore 2-channel chargers:

Model	Capacity (Wh)	Approximate Charge Time
D-95MS/A	95	2h15min
D-130MS/A	130	2h50min
D-155MS/A	155	3h30min
D-200MS/A	200	2h40min
D-310MS/A	310	7h

- The battery usually holds 50% of its capacity when dispatched from the factory and can be used at once. It can reach full capacity after fully charged and discharged for at least two times.
- The battery pack can be used in ambient temperature of -30°C~50°C. It must be noted however that, while Li-ion performs better in lower temperature than other battery chemistries, the operating time will still be shorter in lower temperature conditions. It will also vary with the power consumption of the equipment connected and the condition of the battery. If temperature of the battery itself is below -30°C, discharge may stop.
- The voltage range of Dynacore battery pack during discharge is 12V-16.8V. Below 13V the voltage drops sharply. For optimum use therefore, it is recommended to set the camera battery alarm voltage at approximate 13V in the video camera manual. Refer to the specific camera manual for its recommended alarm setting.
- When the check button is pressed the LED will light on for around 2 seconds.

## Dynacore Battery Protection Circuit

- Over-charge protection  
If during charge the battery voltage exceeds a preset level, charging will be automatically stopped to prevent the battery from being over-charged.
- Over-discharge protection  
When the battery voltage drops to 9.2V, discharge is stopped, preventing the battery from over-discharge.
- Over-current protection  
When exposed to a high discharge current, large in-rush current or an external short circuit, the protection function is activated and the battery discharge will be stopped.
- Thermal Protection  
If the batteries internal cells temperature exceeds specifications, the thermal fuse activates.

## Caution

- Do not throw the battery pack in fire or attempt to burn it.
- Do not immerse in water. Keep the battery pack dry and away from excessively dry or humid environments.
- Do not attempt to open or break apart the battery pack.
- Do not subject the battery pack to extreme impact, pressure or place objects across the terminals that would cause a short.

## Dynacore Technology Co.,Ltd

Add: Room409, Chuangli Business Mansion, 58# Mochou Lake East Road, Nanjing 210029 P.R.China

Tel: +86-25-86 603 989 Fax: +86-25-86 560 560

E-mail: info@dynacore-china.com

Http://www.dynacore-battery.com