

USER'S MANUAL

Capacity	Rating voltage	Net weight	Size
95Wh / 6.6Ah	14.8V	650g	42(W)X70(L)X131(H) mm
65Wh / 4.4Ah	14.8V	480g	42(W)X70(L)X95(H) mm

Introduction

1. High-power Li-ion battery with the capacity up to 95Wh/65Wh.
2. Intelligent Li-ion battery applies to HDV camera, such as SONY PMW EX1, EX3.
3. Built-in 4-level LED power indicator shows the available capacity.
4. Built-in PT connector for flash lamp.
5. Stand-alone DC output.

Specification

1. Built-in battery management system for multiple protection of over charge, over discharge, over current, short circuit, etc.
2. Cut-off charge voltage: 16.8V
3. Cut-off discharge voltage: 11.0V
4. Maximum load: 55W in total, including DC connector, PT connector and out interface.
5. Maximum charge current: 4A
6. LED power indicator:

LED power indicator	LED1 on	LED2 on	LED3 on	LED4 on
Available capacity	25%	25-50%	50-75%	75-100%

Caution

1. Battery should be used under the following environment conditions: -20°C~60°C and RH85%. Otherwise, its service time will be reduced at low temperature compared to that of 25°C. At the same time, its internal resistance will be increased together with reduced load capacity, which might also lead to power-down.
2. Storage environment:

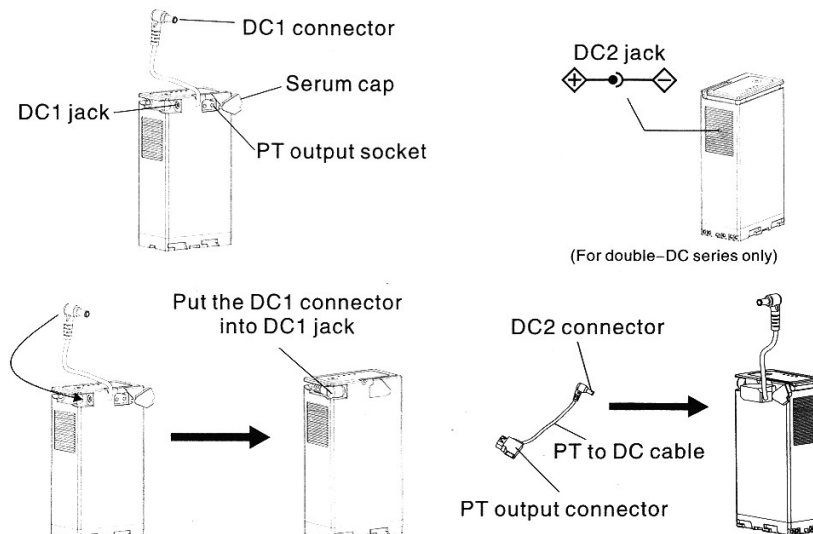
Duration	Temperature	RH
≤1 month	-20°C~50°C	45%-75%
≤3 months	-20°C~40°C	45%-75%
≤12 months	-5°C~30°C	45%-75%

3. Battery should be half charged before long-term storage. Half charge again after stored for a maximum of 12 months.
4. Battery should not be used with other equipment unless their voltage, current, connector and output polarity are matched. Equipment and battery might be damaged under wrong polarity and mismatched voltage or current conditions. Please note that the output voltage of all connectors is 11V-16.8V.
5. Avoid fierce strike or pressing against the battery and keep it out of fire or heat.
6. Do not disassemble or short-circuit the battery.
7. Keep away from children.
8. Do not expose the battery to strong illumination for a long period.



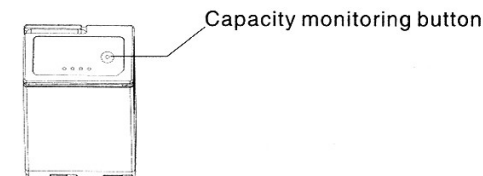
Operation Instruction

1. Pull out the DC1 connector from the DC1 jack of battery.
2. Insert the battery into the battery holder of equipment.
3. Connect the DC1 connector to the input socket of equipment as power supply.
4. The PT output connector of PT to DC cable could be inserted into the PT output socket of battery with the corresponding DC2 connector inserted into the DC jack of equipment for power supply.
5. When using flash lamp or other equipment, remove the serum cap at PT output socket and insert the PT connector of other equipment into the socket. Please cover the PT output socket with serum cap after use for dust prevention.
6. Connect the DC 2 jack of the battery to power flash lamp or other equipment (For double-DC series only).
7. DC1 connector, DC2 jack and PT output socket could be used at the same time. However, the total output power must not be greater than 55W.



Capacity Monitoring

1. Press down the capacity monitoring button to show the available capacity of battery.
2. Please charge promptly when there is only one lighting LED to prolong the service life of battery.



Charging Instruction

Charging conditions: 0°C~40°C and RH45~75%

1. Original SONY BC-U1 charger
 - 1). Do not use the PT output socket during charging process.
 - 2). Put the DC1 connector of battery into DC1 jack.
 - 3). Insert the battery into slot of SONY BC-U1 charger and start charging process according to the user's manual of SONY BC-U1 charger.
2. Compatible charger could also be used by connecting it to PT output socket of battery. The total charging power must not be greater than 55W.