

<b>AP-4497</b>	<b>BATTERY</b>
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## **1. Scope**

**This technical specification is for the product of AP-4497 Li-ion rechargeable battery pack.**

## **2. Cell Type**

**Cell: Sealed Li-ion Cylindrical cell 2pcs pack**

**Model: UR18650F**

**Size: 18650**

## **3. Rating**

**Nominal Voltage: 7.4V per pack**

**Nominal Capacity: 2600mAh**

**Charging: charge the cell with the constant current of 1750mA to 4.2V, then charge with 4.2V until the current approaching 50mA.**

**Discharge End Voltage: 5.5V per pack**

**Maximum Discharge: 5A Current**

**Weight: 160g**

**Charge Temperature: 0°C to 40°C**

**Discharge Temp: -20°C to 60°C**

**Storage Temperature: -20°C to 50°C**

## **4. Physical Specification**

**Length: 121.0mm**

**Width: 60.2mm**

**Height: 24.0mm**

**Maximum Overstep: 0.1mm**

## **5. Electrical Test**

### **5.1 Charging Characteristics**

The battery pack should be charged under the following conditions:

--At a constant current of 1750mA to 4.2V, then charge with 4.2V until the current approaching 50mA.

The above tests are the ambient temperature of 20°C (+/-5°C)

### **5.2 Discharge Characteristics**

After adopt the above charge procedure as 5.1 the battery pack is stored for 1 hour at the same temperature range, this is to be discharged at various current till the end voltage reaches 5.5V

--At 520mA discharge for 5hrs (0.2C)

--At 780mA discharge for 3.3hrs (0.3C)

--At 2600mA discharge for 54 minutes (1C)

--At 5.2 A discharge for 25 minutes (2C)

### **5.3 Capacity Characteristics**

The battery pack should be at or more than 90% minimum capacity under the above either charging or discharging procedure.

### **5.4 Charge retention**

After stand charging procedure as per 5.1, the battery pack store for 28 days, then discharge the battery pack are 0.2C, the nominal capacity shall not be less than 70%.

--Before using, the battery pack shall be properly charged as 5.1.

--Keep the battery pack in cool and dry place.

--DO NOT throw the battery pack into fire or disassembles them.

--DO NOT short-circuit the battery pack

--DO NOT charge with more than specified current.

**WARNING:** This battery pack should be charged by proper specified charger .  
After long storage, it is desirable to cycle (charge/discharge) the battery 3 times to restore full capacity.

The supplier reserves the right to modify product specification and data stated herein without prior notice.