LITHIUM IRON PHOSPHATE LIFePO4 RANGE RECHARGEABLE LITHIUM



600mAh

LiFePO₄

1.92Wh

IFR14500EC

Rechargeable Lithium Iron Phosphate Battery

SPECIFICATIONS Nominal Voltage 3.2V **Charge Voltage** 3.65V (limited) **Nominal Capacity** 600mAh Watt-hour 1.92Wh Cycle Life (Capacity ≥80%) 2000 cycles **Charge Current** Standard Charge 120mA (0.2C) Maximum Continous Charge 600mA (1.0C) Temp range: +10~+55°C Temp range: 0~+10°C ≤120mA (0.2C) Standard Charge (CC-CV) **Constant Current** 120mA (0.2C) 3.65V **Constant Voltage** Cut-off Current (End) 6mA (0.01C) Standard Discharge Constant Current 120mA (0.2C) Cut-off Voltage (End) 2.0V Maximum Discharge 1800mA (3C) max. cont. Internal Resistance (at 1±0.1KHz) ≤60mΩ **Operating Temperature** 0°C ~ +60°C Charge Discharge -20°C ~ +60°C –20°C ~ +45°C Storage (1 month) -20°C ~ +35°C Storage (3 months) –20°C ~ +25°C Storage (6 months) **Operating Humidity Range** 45% - 85% Dimensions Diameter (D) 14.15 ± 0.2mm Height (H) 50.0 ± 0.5mm Cap Diameter (d) 6.0 ± 0.3mm Weight 18g



DIMENSIONS



Performance may vary depending on application. All specifications are correct at time of creation. All specifications and operation conditions contained in this datasheet are subject to change or improvement without prior notice to the user. This data is for evaluation purposes only. No guarantee is intended or implied by this data. For clarification and updated information, please contact us • Oct2020