## Drypower

LITHIUM IRON PHOSPHATE LIFePO4 RANGE

RECHARGEABLE LITHIUM



600mAh

LiFePO<sub>4</sub>

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  Maximum Continous Charge	120mA (0.2C)
Temp range: +10~+55°C	600mA (1.0C)
Temp range: 0~+10°C	≤120mA (0.2C)
Standard Charge (CC-CV)  Constant Current	120mA (0.2C)
Constant Voltage	3.65V
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	
Charge Discharge Storage (1 month) Storage (3 months) Storage (6 months)	0°C ~ +60°C -20°C ~ +60°C -20°C ~ +45°C -20°C ~ +35°C -20°C ~ +25°C
Operating Humidity Range	45% – 85%
Dimensions	
Diameter (D) Height (H) Cap Diameter (d)	$14.15 \pm 0.2$ mm $50.0 \pm 0.5$ mm $6.0 \pm 0.3$ mm
Weight	18g
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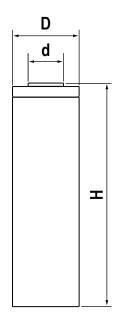
**Protected Cell** 





Any orientation - Drypower Rechargeable Lithium batteries with cylindrical LiFePO4 cells inside can be used and mounted in any orientation, offering ultimate flexibility in a wide variety of applications.

## **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

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