



3.2V

1.0Ah

LiFePO₄

3.2Wh

IFR18500JE

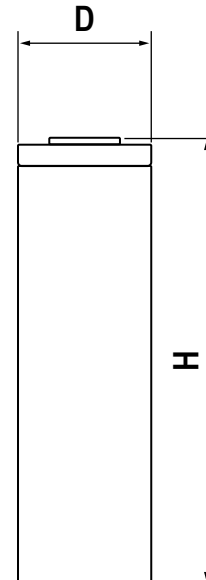
Rechargeable Lithium Iron Phosphate Battery

SPECIFICATIONS

Nominal Voltage	3.2V
Nominal Capacity	1000mAh
Watt-hour	3.2Wh
Cycle Life (Capacity ≥80%)	≥2000 cycles (100% DoD)
Charge Current	
Standard	500mA (0.5C)
Max	1000mA (1C)
Charge Cut-off Voltage	3.65V
Discharge Cut-off Voltage	2.0V
Maximum Discharge Current	2000mA max. cont. (2C)
Internal Resistance	≤60mΩ
Operating Temperature	
Charge	0°C ~ +45°C
Discharge	-10°C ~ +60°C
Storage (<3 months)	-10°C ~ +35°C
Storage (>3 months)	23 ± 5°C recommended
Operating Humidity Range	45% – 85%
Dimensions	
Diameter (D)	18.2 ± 0.2mm
Height (H)	50.0 ± 0.3mm
Weight	30g



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 • May2024