

## Li-FePo4 Cylindrical Battery

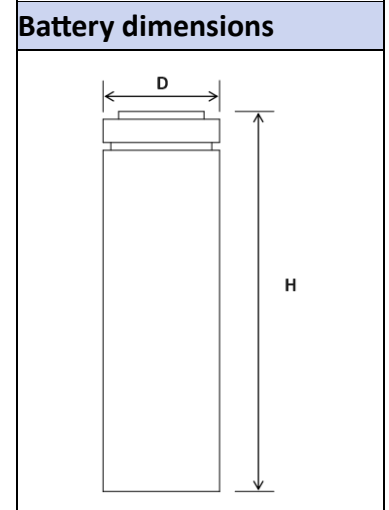
| Primary characteristics |          |
|-------------------------|----------|
| Parameter               | Value    |
| Nominal voltage         | 3.2V     |
| Rated capacity          | 15000mAh |

### Scope

The purpose of this product specification is to provide technical information for the rechargeable Li-FePo4 cylindrical battery IFR32140-150M.

The test shall be conducted in strict accordance with the method specified in this specification.

If you have any objection to the test items or test methods, please contact Akyga Battery.



| Specification table  |                                      |              |
|--|--------------------------------------|--------------|
| Parameter  | Value                                |              |
| Model  | IFR32140-150M                        |              |
| Typical voltage  | 3.2V                                 |              |
| Rated capacity   | Typical                              | 15000mAh     |
|  | Minimum                              | 14500mAh     |
| Standard charge  | CCCV 0.5C, 3.65±0.05V, 0.02C cut-off |              |
| Rapid charge   | CCCV 1C, 3.65±0.05V, 0.02C cut-off   |              |
| Standard continuous Discharge  | DC, 0.5C, 2.0V cut-off               |              |
| Maximum continuous Discharge   | DC, 1C, 2.0V cut-off                 |              |
| Charge/Discharge voltage range   | 3.65~2.0V                            |              |
|  | Charge: 0~55°C                       | ≤1C          |
|  | Discharge: -20°C ~ 60°C              |              |
| Storage  | Temperature                          | -20°C ~ 35°C |
|  | Humidity                             | <85%RH       |
| Cycle life   | After 2000 cycles >80%               |              |
| Internal impedance   | 1.0~3.0mR (AC 1kHz, 50% SOC)         |              |
| Size   | Diameter                             | 33.0mm ±0.3  |
|  | Height                               | 140.0mm ±0.5 |
| Weight Approx  | 310g                                 |              |
| NTC  | 10kR B=3380                          |              |
| Wires length   | 50mm AWG24                           |              |
| Notes:   |                                      |              |
| Rated capacity test conditions: Charge: 0.2C, 3.65V, CCCV 0.02C cut-off<br>Discharge: 0.2C, 2.0V, DC cut-off voltage                                   |                                      |              |
| Cycle life: Charge CCCV 0.5C, 3.65±0.05V, 0.02C cut-off, discharge: DC, 1C, 2.0V cut-off, rest time: 10 min after charging and 30 min after discharge. |                                      |              |

**Caution**

The battery used in this device may present a risk of fire or chemical burn if mistreated.

Do not disassemble, expose to heat above 100°C or incinerate it.

Do not expose the cell to extreme heat or flame.

Do not short circuit, over-charge or over-discharge the cell.

Do not subject the cell to strong mechanical shocks.

Do not immerse the cell in water or sea water, or get it wet.

Do not reverse the polarity of the cell for any reason.

Do not disassemble or modify the cell.

Do not handle or store with metallic like necklaces, coins or hairpins, etc.

Do not connect cell to the plug socket or car-cigarette-plug.

Do not make the direct soldering onto a cell

Do not touch a leaked cell directly.

Do not use Lithium-ion cell in mixture.

Do not use or leave the cell under the blazing sun (or In heated car by sunshine).

Keep cell away from children.

Do not drive a nail into the cell, strike it by hammer or tread it.

Replace battery with those of Akyga battery only.

**Disclaimer**

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