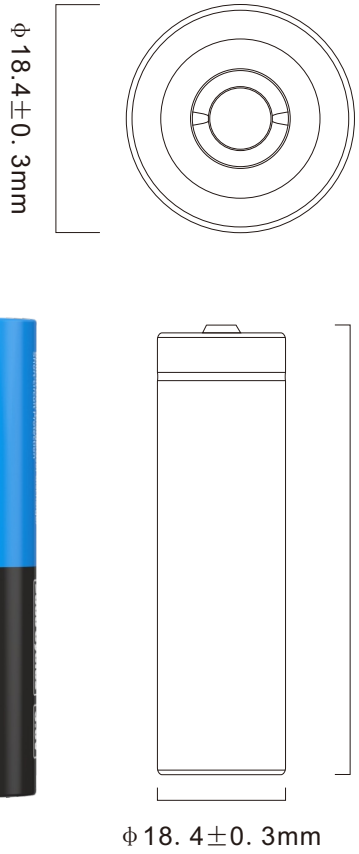
XTAR®
Quality and Innovation

# XTAR 3.6V 18650HP 3500mAh Rechargeable Li-ion Battery

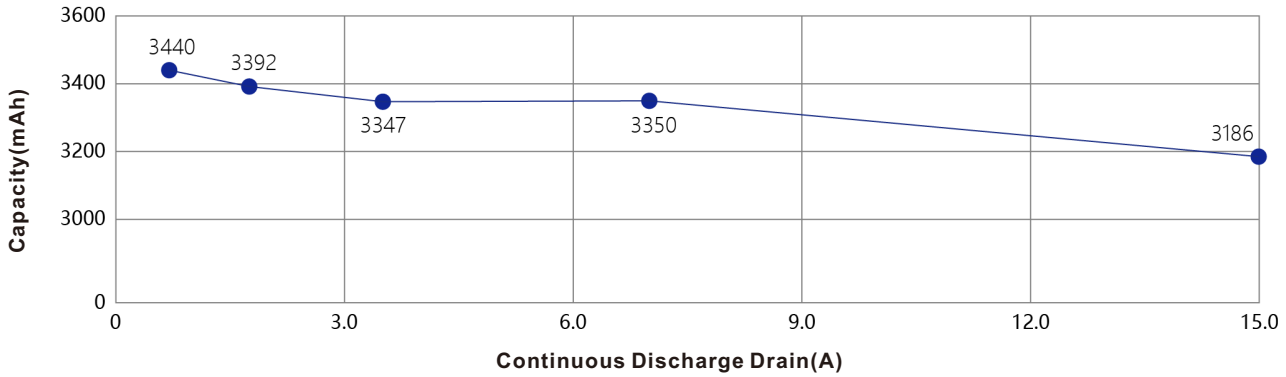
| Specifications | |
|---|---|
| Nominal Capacity: | 3500mAh |
| Minimum Capacity: | 3350mAh |
| Nominal Voltage: | 3.6V |
| Discharge Cut-off Voltage: | 2.5V |
| Maximum Continuous Discharge Current: | 15A |
| Discharge Overcurrent Protection: | 16-30A |
| Internal resistance: | ≤35mΩ |
| Cycle Life: | 500+ |
| Standard Charging Voltage: | 4.2±0.03V |
| Standard Charging Current: | 1.75A |
| Maximum Charging Current: | 3.5A |
| Protected: | Yes |
| Positive Pole: | Button Top |
| With Indicator: | Yes |
| Operating Temperature: | -20 - 60°C |
| Storage Temperature: | -20 - 45°C（Recommended ≤ 25±2°C) |
| Storage humidity: | ≤70%RH |
| Net Weight: | ≤50g |
| Size: | Φ18.4±0.3mm x H69.5±0.5mm |




| Test Name | Discharge Performance Test | | | | |
|---|---|---|---|---|---|
| Test Condition | Tests are carried out under the temperature of 20±5°C | | | | |
| Test Current(A) | 0.7 | 1.75 | 3.5 | 7 | 15 |
| Measured Capacit(mAh) | 3440 | 3392 | 3347 | 3350 | 3186 |
| Measured Energy(mWh) | 12137 | 11762 | 11384 | 11119 | 9962 |

## Milliamp-Hours Capacity

Constant Current Discharge to 2.5 Volts




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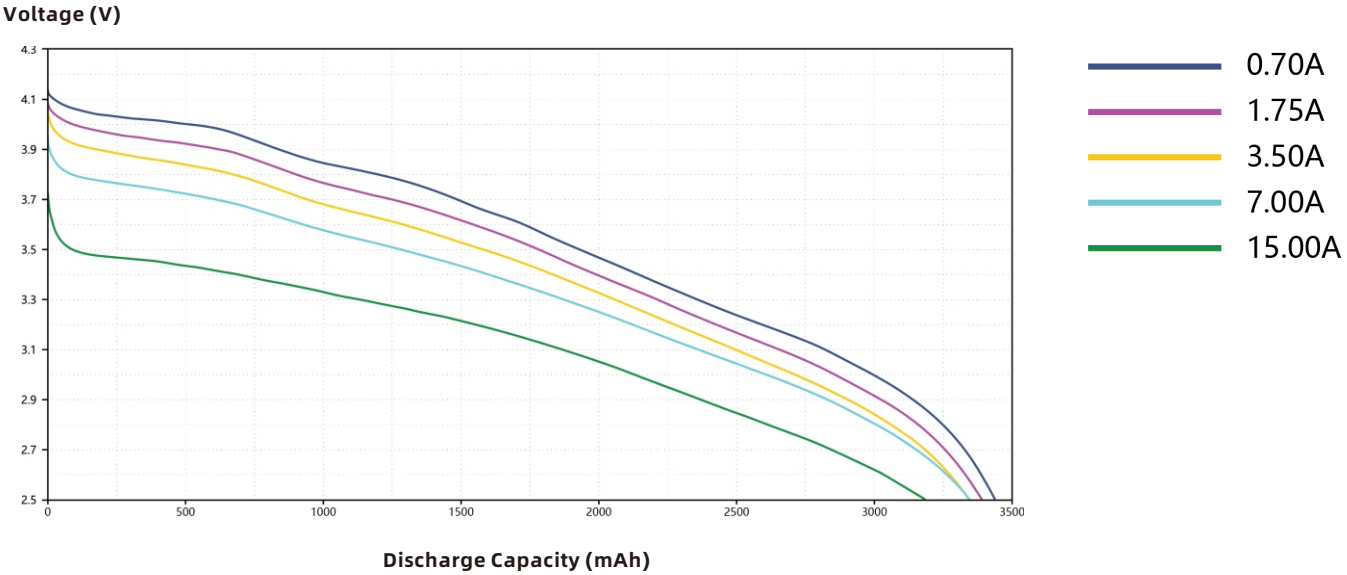
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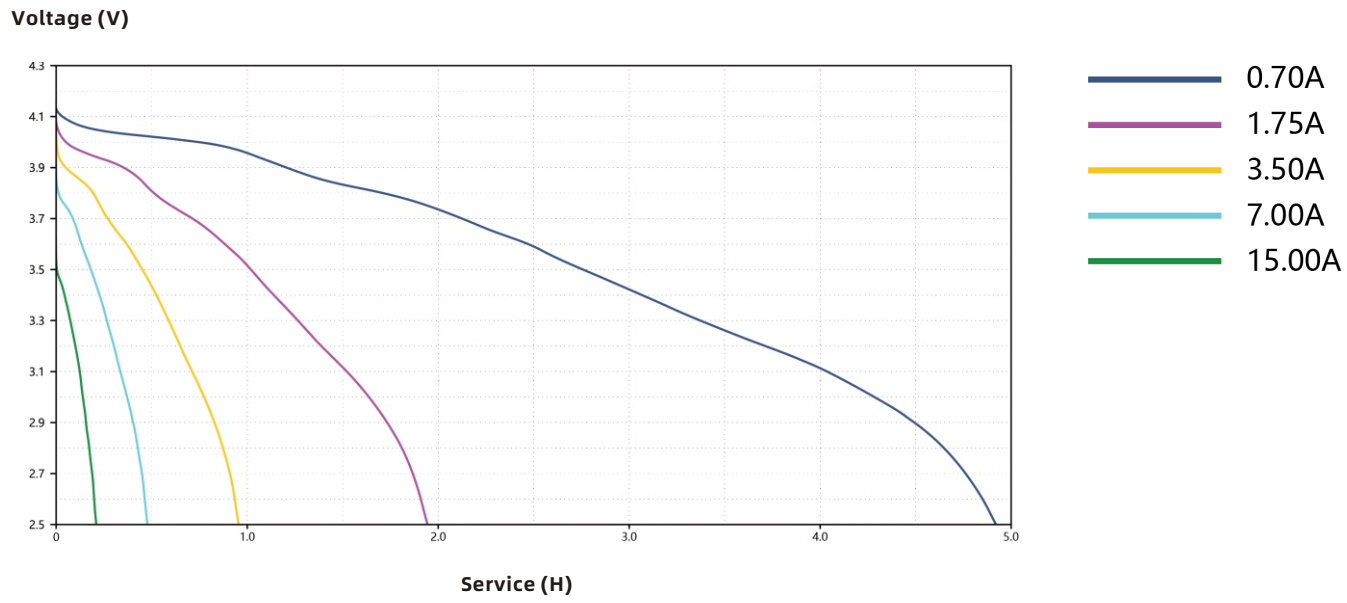
## Discharge Profile

Constant Current Discharge




## Constant Output Performance

Typical Discharge Characteristics(20±5℃)





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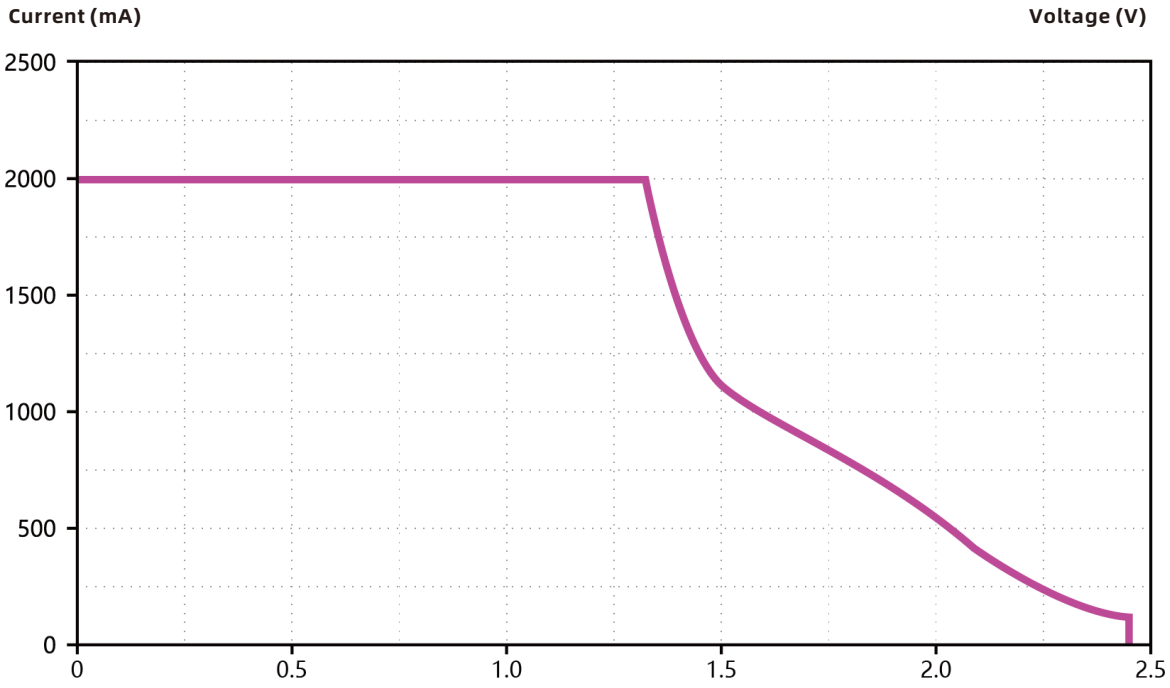
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# XTAR 3.6V 18650HP 3500mAh Rechargeable Li-ion Battery

## Charging Current Diagram

By XTAR VX4 V2 charger




## Notice:

1) Please read instructions and manual before using the product for safety purposes.
2) Do not charge the battery with unspecified charger. We recommend to use only compatible XTAR 3.6V Li-ion battery chargers for safety and the highest efficiency.
3) Please avoid ambient temperature over 50℃. Do not leave the battery in a car for safety purposes.
4) When the battery is not used for a long period, please keep it in a cool and dry place. Please activate the battery at every 6 month.

### Important Notice

This data sheet contains typical information specific to batteries manufactured at the time of its publication.
**Contents herein do not constitute a warranty and are for reference only.**
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