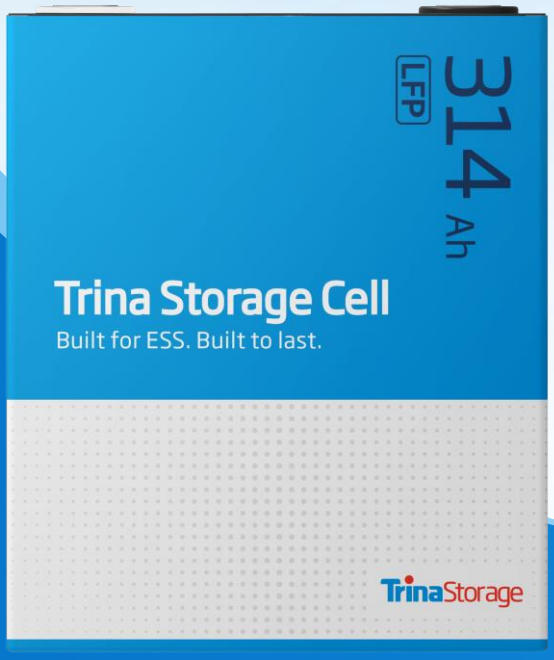
# 314Ah
# Prismatic LFP Cell




314Ah $LiFePO_4$ Battery Cell

High-performance Lithium Iron Phosphate (LFP) battery cell designed for stationary storage applications.

Engineered with a focus on safety, quality, cost optimization, and extended cycle lifetime.

## Ultra Long Lifecycle

- Extended cycle life ≥ 12,000 cycles @70%SOC
- Prolonged & stable performance
- 0 degradation in the first year
- Advanced battery chemistry

## Best-in-class Safety

- Vertically integrated, safe LFP cells
- Effective thermal management
- High-quality materials
- Certified to global safety standards

## Consistent

- Optimized cell design
- High space efficiency
- Enhanced battery pack density

## High Efficiency

- Low LCOS (levelized cost of storage)
- High energy conversion
- Superior cyclic efficiency

## Product Certifications & Reports

- IEC 62619, IEC 62620, UL 1973, UL 9540A, UL 1642, UN 38.3

## Company Certifications

- ISO 9001, ISO 14001, ISO 45001

## Compliance

- RoHS

# Product Specifications


| | |
|---|---|
| Cell Chemistry | **LFP** |
| Nameplate Capacity | **314 Ah** |
| Rated Energy | **1004.8 Wh** |
| Rated P-Rate | **0.5 P** |
| Rated Voltage | **3.2 V** |
| Rated Current | **157 A** |
| DC-DC RTE | **96% @0.25 P**<br>**95% @0.5 P** |

| | |
|---|---|
| Weight | **5.52±0.30 kg** |
| Impedance (1kHz) | **0.20±0.05 mΩ** |
| Energy Density | **185 Wh/kg** |
| Cycle Life | **≥12,000 cycles**<br>(0.5P) 25°C, @70%SOH |
| Operating Voltage Range | **2.5~3.65 V**<br>Cell temperature T>0°C<br>**2.0~3.65 V**<br>Cell temperature T≤0°C |

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