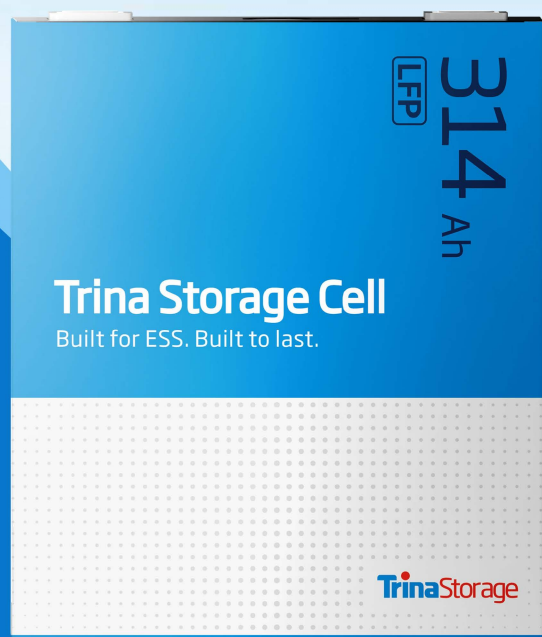


314Ah

Prismatic LFP Cell



314Ah LiFePo4 Battery Cell

High-performance lithium-ion phosphate (LFP) battery cell designed for stationery storage applications.

Engineered with a focus on safety, quality, cost-optimization & extended cyclic lifetime.

Ultra Long Lifecycle

- Extended lifecycle ≥ 10000 cycles @70%SOH
- Prolonged & stable performance
- 0 degradation in the first half year
- Advanced battery chemistry

Consistent

- Optimized cell design
- Low space utilization
- Enhanced battery pack density

Compliance

- ROHS

Product Certifications & Reports

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

Best-in-class Safety

- Vertically integrated, safe LFP cells
- Effective thermal management
- High quality materials
- Passes all safety tests

High Efficiency

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

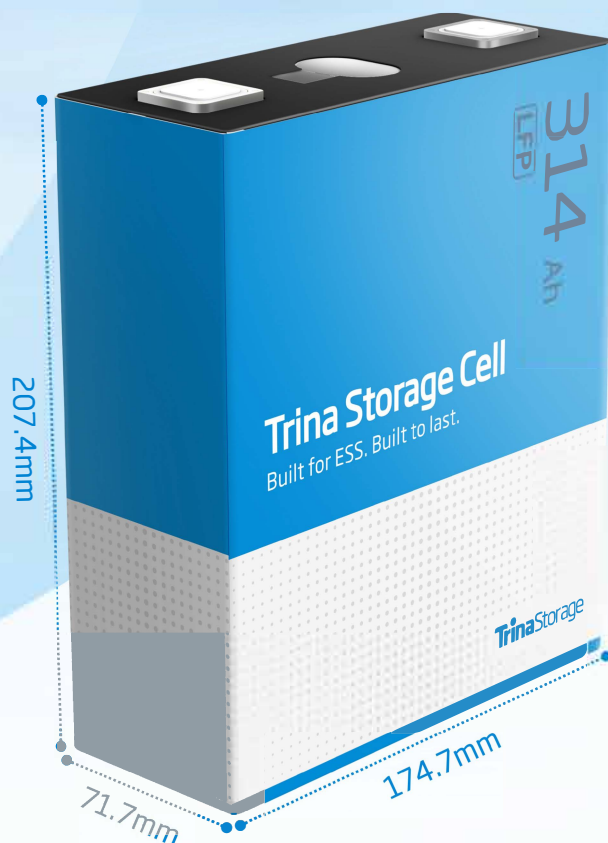
Company Certifications

- ISO 9001, ISO 14001, ISO 45001

Disclaimer:

The information contained in this datasheet is provided for general informational purposes only. TrinaStorage Co. Ltd reserves the right to modify, update, or revise any specifications, features, or other details related to the 314Ah BESS cell without prior notice.

Product Specifications



Cell Chemistry	LFP	Weight	5.60±0.30kg
Nameplate Capacity	314Ah	Impedance (1kHz)	0.18±0.05mΩ
Rated Energy	1004.8Wh	Energy Density	179.4Wh/kg
Rated P-Rate	0.5P	Cycle Life	≥10000 cycles (0.5P) 25°C, @70%SOH
Rated Voltage	3.2V	Operating Voltage Range	2.5~3.65V Cell temperature T>0°C 2.0~3.65V Cell temperature T≤0°C
Rated Current	157A		
DC-DC RTE	95%		

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Official website



Social media

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