FIXX ENERGY

RESOLUTE™ C305

305 Ah PRISMATIC LFP CELL

Manufactured in Smyrna, Tennessee, our prismatic LFP cell is built for dependable energy storage across utilities, data centers, and critical infrastructure.



ASSEMBLED IN THE USA

BUILT FROM THE GROUND UP. ROOTED IN THE U.S.
FIXX Energy is the first American owned manufacturer of prismatic LFP cells for energy storage operating in the U.S. Our Smyrna, Tennessee facility runs 24/7 with 500+ employees, 12+ years of battery manufacturing experience, and 5M+ LFP cells produced.

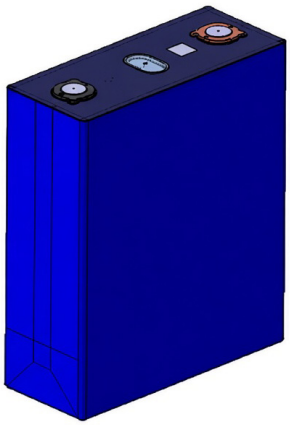
PRISMATIC LFP TECHNOLOGY
FIXX's 305 Ah prismatic LFP cell delivers 976 Wh of nominal energy for stationary energy storage applications..

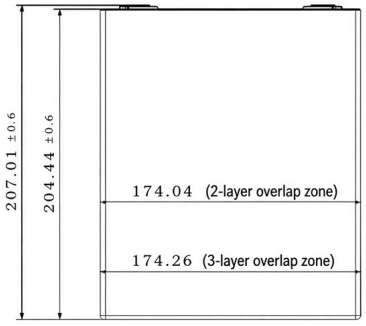
LONG CYCLE LIFE
Designed for 10,000+ cycles under specified test conditions, supporting long-term performance in applications that require frequent cycling.

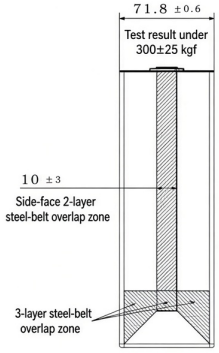
HIGH-DENSITY CELL DESIGN
An energy density of approximately 176 Wh/kg delivers substantial capacity within a compact prismatic format.

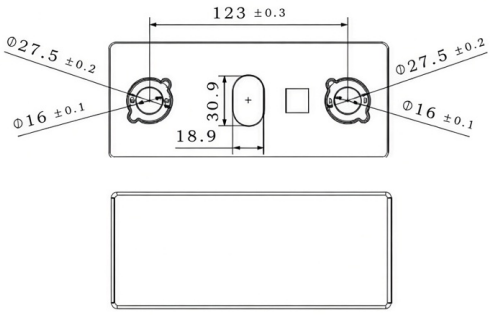
BUILT FOR DEMANDING CONDITIONS
Designed to operate from −30°C to 60°C, supporting deployment across a wide range of climates and operating environments.

ENGINEERING DRAWINGS









Parameter	Specification
Product	Rechargeable Lithium-ion cell
Chemistry / Type	LiFePO4 (Lithium Iron Phosphate)
Form Factor	Prismatic
Model	HC-L305B 3.2V 305Ah 976Wh
Rated Capacity	305 Ah
Nominal Voltage	3.2 V
Nominal Energy	976 Wh
ACIR	0.3 mΩ (1kHz)
Upper Limit Charging Voltage	3.65 V
Discharge Cut-off Voltage	2.5 V (T > 0 °C) / 2.0 V (T ≤ 0 °C)
Standard Charging Current	152.5 A
Standard Charging Power	488 W
Maximum Charging Current	152.5 A
Maximum Charging Power	488 W
Standard Discharging Current	152.5 A
Standard Discharging Power	488 W
Maximum Discharging Current	305 A
Maximum Discharging Power	976 W
Charging Temperature Range	0 °C to 60 °C
Discharging Temperature Range	-30 °C to 60 °C
Storage	−40 °C to 60 °C at ≥15 % SOC
Overall Dimensions (H × W × T)	(207.01 ± 0.6) × (174.26 ± 0.6) × (71.80 ± 0.6) mm
Weight	5.55 ± 0.3 kg
Certifications/Test Reports	UN38.3, UL9540A, UL1973, UL1642, IEC62619

The company reserves the final right for explanation on any of the information presented hereby. FXE-D1-HC-305B