



16.1kWh 51.2V

IP65-RATED 314Ah LiFePO₄ BATTERY

TECHNICAL SPECIFICATION SHEET



Specifications

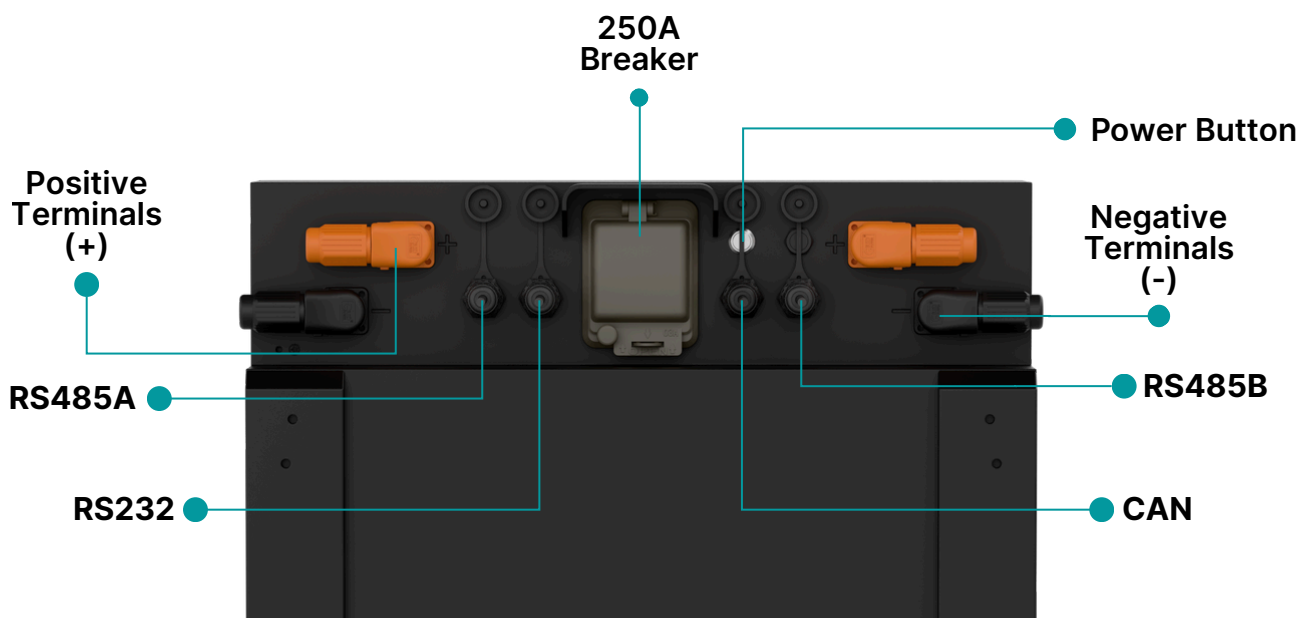
Rated Voltage (V)	51.2V
Maximum Charge (V)	57.6V
BMS	PACE 200A
Nominal Capacity (Ah)	314Ah
Minimum Capacity (Ah)	314Ah
Maximum Charge Current (A)	200A
Total Wh	16,076.8
Maximum Discharge	200A
Discharge Cut-off Voltage	43.2V
Discharge Temperature	-20°C to 60°C
Charging Temperature	-20°C to 45°C (heater enabled)
Storage Temperature	1 Month: -20°C ~ 60°C 1 Year: 0°C ~ 35°C
Relative Humidity	45% ~ 85%
Cell Configuration	16S1P
Cycle Life	8,000 @ 80% DOD (95% as of February 2026)
Communication Ports	CAN, RS485, RS232
Design Life	15 years
Weight	128.8kg
Active Balancer	2A
Preloaded Inverter Protocols	Compatible with multiple LV inverters, including Sunsynk, Solis, Victron and more.



Built-In Fire Suppression Unit

Our ultra-thin, built-in aerosol unit stops fires the moment they start. When temperatures spike to 170°C, the system releases a fast-acting potassium aerosol that instantly disrupts the fire's chemical reaction. Result: rapid suppression, zero maintenance, and reliable protection for enclosed electrical spaces.





Dimensions

500(L) × 232(W) × 915(H)mm

Safety Precautions



Due to its significant weight (128.8kg), it's crucial to have at least six people assist with lifting, adhering to safety regulations.

Never work on these batteries while powered or connected to the grid. Install only in suitable, safe environments by a qualified person, following all electrical codes. Ensure correct grounding, polarity, programming, cabling, and torque. Use only with compatible 51.2V systems. Never in series or with other chemistries. Keep away from heat, hazards, pets, and children. If overheating or burning smells occur, trip the breaker and call emergency services. Clean only with a dry cloth.

Battery Warranty

The Fogstar Energy IP-Rated 16.1kWh battery comes with a 10-year warranty covering BMS failure, cell failure, temperature sensors, charging/discharging faults, and internal corrosion.

To submit a claim, contact Fogstar Customer Support:

✉ customerservice@fogstar.co.uk

☎ 01527 757980

Please include your proof of purchase and a clear description of the issue.

Parallel Connectivity

Up to 15 units can be connected in parallel. These batteries **cannot** be connected in series.

Charging Parameters

Bulk: 57.6V

Float: 55.2V

Low DC cut off: 43.2V

Battery Connections

We supply a pair of 1.5m battery cables with Amphenol connector, designed for reliable battery-to-battery communication and power linking in parallel setups. For correct installation, always connect all negative conductors before the positive.

A 1.5m communication cable is included for RS485/CAN data exchange, along with a 1.8m PC cable for direct computer connection, system setup, and diagnostics.

These accessories allow the battery to integrate easily into both single-unit and multi-unit configurations.

Updating the Inverter Protocol

The PACE Battery Management System (BMS) seamlessly integrates with a wide range of popular inverters, containing pre-loaded protocols for Victron, Luxpower, Sofar, Solis, and many more. Changing the inverter protocol doesn't involve any complex software downloads; you can change it simply by navigating the LCD Touchscreen.

Battery Heating

The integrated heating system activates below 5 °C, enabling safe charging at 0 °C and reliable operation in ambient temperatures down to -20 °C.