



IP65-RATED 10kWh 51.2V

200Ah LiFePO₄ BATTERY

TECHNICAL SPECIFICATION SHEET



Specifications

Rated Voltage (V)	51.2V
Maximum Charge (V)	57.6V
BMS	SEPLOS 200A
Nominal Capacity (Ah)	200Ah
Minimum Capacity (Ah)	200A
Maximum Charge Current (A)	200A
Total Wh	10,240
Maximum Discharge	200A
Discharge Cut-off Voltage	43.2V
Discharge Temperature	-20°C to 40°C
Charging Temperature	-10°C to 40°C
Storage Temperature	1 Month: -10°C ~ 35°C 3 Months: 25 ±2 °C
Relative Humidity	65% ±10%
Cell Configuration	2P16S
Cycle Life	6,000 @ 91% DOD
Communication Ports	CAN, RS485
Design Life	15 years
Weight	98kg
IP Rating	IP65
Preloaded Inverter Protocols	Compatible with multiple LV inverters, including but not limited to LuxPower, 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.





Safety Precautions



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 LV systems. Never in series or with other chemistries. Keep away from heat, hazards, pets, and children. Clean only with a dry cloth.

Battery Warranty

The Fogstar Energy 10kWh battery comes with a 6-year warranty and 10-year customer support, covering BMS failure, cell failure, temperature sensors, charging/discharging faults, and internal corrosion. Excludes misuse, tampering, incompatible systems, or accidental damage.

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 16 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

This battery seamlessly integrates with a wide range of popular inverters, containing pre-loaded protocols for Victron, Pylontech, Growatt, Sofar, Solis, and Goodwe. 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.