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# Energy2 17kWh LFP Battery v3

## Specification

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### Energy to everyone. Everywhere.

- The only energy storage system designed, manufactured and installed here in the UK.
- Store low-carbon grid and solar energy when it's cheap, and use it later when energy prices are high.
- Go off-grid, outsmart the energy companies and save over 70% on your energy bills.
- The highest density of battery cells offering **17kWh** of capacity.
- Smart and proactive monitoring that optimises energy usage to maximise your investment.
- Installed and configured in 1 day.
- Engineered as an open and scalable system to flexibly adapt and grow as your needs change - 17kWh to 272kWh.
- Fire resistant LFP battery chemistry promotes enhanced safety.



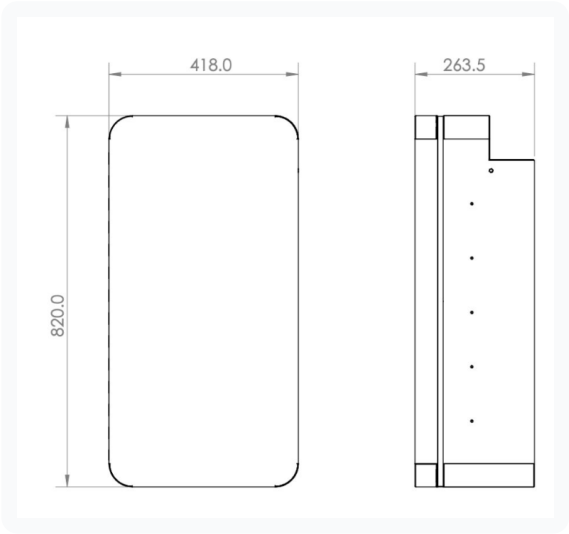
# Technical Specifications

Feature	Specification
Capacity	17kWh Useable
Technology	Lithium Iron Phosphate (LiFePO4) or LFP
Cell Configuration	16S1P (16 LFP battery cells in series)
Nominal Voltage	51.2V
Full Voltage	56V
Empty Voltage	45V
Current	200A
Active Cell Balancing	2A
Maximum Power	10kW
Cycle Life	8,000 @ 80% Depth of Discharge (DOD)
Warranty	15 Years (See Warranty Terms)
Weight	110kg
Dimensions	82cm (H) x 41cm (W) x 27cm (D)
Communication Port	CAN
Inverter Compatibility	Victron, Sunsynk, Growatt, Solis (Low Voltage)
Parallel Config	Up to 16 units (17kWh – 272kWh)
Part Number	E2-17-3.3
Certification	Safety-Critical Components (Cells, BMS, Breaker): IEC 62619 Tested. System Design: Aligned to IEC 62619 (Pilot Series)

# Environmental Specifications

Feature	Specification
Discharge Temperature	-20°C to 60°C
Charging Temperature	0°C to 45°C
Storage Temperature (1 mth)	-20°C to 45°C
Storage Temperature (3 mths)	-10°C to 35°C
Storage Temperature (1 year)	0°C to 25°C
Relative Humidity	45% - 85% RH

# Dimensions



# Care and Maintenance

- **Location:** The battery installation location must remain a clean, dry and well-ventilated location, free from excessive dust, moisture, salt spray, chemical vapours and direct water ingress.
- **Airflow:** Adequate airflow around the enclosure must be maintained at all times and the unit must not be covered, obstructed or used to support stored items.

- **Service:** The battery must not be opened, moved, modified or serviced by anyone other than Energy2 Ltd or an Energy2 approved battery energy storage engineer.

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