

TerraVault 5

5.12 kWh low-voltage LiFePO₄ home battery

LOW-VOLTAGE LiFePO₄

SIMPLE. RELIABLE.

Store surplus daytime solar energy and use it after sunset, during peak-demand periods or when the utility grid is unavailable. Supplied, installed and supported by Lewis Green Energy.



5.12 kWh

Rated energy

≥6,000

Cycle life

10+ years

Design life

TECHNICAL SPECIFICATIONS

Rated capacity	100 Ah
Rated energy	5.12 kWh
Max. charge / discharge current	100 A
Chemistry	Lithium iron phosphate (LiFePO ₄)
Nominal voltage	51.2 V
Maximum charging voltage	57.6 V
Discharge cut-off voltage	40–44 V
Cycle life	≥6,000 cycles at 80% DoD, 25 °C
Design life	≥10 years
Dimensions (W × H × D)	560 × 440 × 160 mm
Weight	45 kg ± 2 kg
Installation	Wall-mounted
User interface	Status indicator LEDs; no display
Ingress protection	IP21 – protected indoor installation
Communications	Bluetooth, Wi-Fi, RS232, RS485 and CAN bus
Certifications / reports	IEC 62619 report, UN38.3 and MSDS
Operating temperature	Charge 0 to 55 °C · Discharge –20 to 55 °C · Storage 0 to 45 °C at 60 ±25% RH

British energy solutions

Indoor residential and light-commercial energy storage

Source platform: THS5-51.2V100AH
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