TerraVault Max 5

5.12 kWh low-voltage $LiFePO_4$ home battery

SMART MONITORING

SMARTER CONTROL.

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	≥6,000	10+ years
Rated energy	Cycle life	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	**3.5-inch touch 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**