

Li^{TE} Home and Business HV Range

Li^{TE} Home 30/24 HV

Max Energy [kWh]	30
Energy, 90% DoD [kWh] ¹	27
Energy, 80% DoD [kWh] ¹	24
Nominal Voltage [V] ²	307
Max/Min Operating Voltage [V]	341/273
Max/Cont. Discharge Current [A]	150/100
Max/Cont Discharge Power [kW]	46/30
Max and Cont Charge Current [A]	100
Weight [kg]	254
Dimensions on or against wall excluding protuberances such as glands and breaker handle -Height x Width x Depth [mm]	1260x490x290
DC Connection – Integrated Cables [no. per electrode] ³	1 x 25mm ²
External Interfacing	CAN Bus
Enclosure	Aluminium – powder coated white, IP54 enclosure rating, Home – wall or floor mount, Business – floor mount
Protection	Shunt Trip Circuit Breaker sized to suit max current, can be tripped by BMS if critical fault incl. overcurrent, cell under and over voltage, temperature, weak cell detection, minimum SOC control, manual reset
Human Interface	State of Charge Display (0 to 100%), Error light, Error Reset Button, USB Plug for Programming
Service Life ⁴	10 year (or 4000 cycles) warranty for 80% average DoD, 13-15 yrs (>5 500 cycles) expected life at 70% DoD, 15-20 years at 50% DoD (>7 000 cycles)

Notes to Specification Sheet

- 1 DoD = Depth of Discharge, recommended up to average daily 80% DoD for extended life, 50% average DoD for ultra-long life. Max allowable DoD is 90%.
- 2 Voltage suitable for various high DC voltage inverters. Please enquire with Freedom Won for pairing support.
- 3 Fly Leads 1,8m long (15/12; 20/16; 30/24 HV). Fly Leads 4m long (40/32; 60/48; 80/64 HV). Power cable Red = Positive, Black = Negative, conductors in table refer to one electrode i.e. per positive and negative connections. Longer cables available on request. Multiples of 6mm² DC cables available on request for inverters fitted with MC4 type connectors for the battery input.
- 4 End of Life (EoL) defined as cell dropping to 60% of Beginning of Life (BoL) capacity for expected life and as 70% of BoL capacity for warranty.