



SPECIFICATION SHEET
FREEDOM LITE HV HOME
AND BUSINESS RANGE

LiTE HV Home and Business Range



Lithium Power made in South Africa

freedom
WON

Plug Into The Current Future

Please contact your nearest accredited
Freedom Won Distributor or Reseller Installer for further
sales and technical support.

Freedom LiTE	Home 15/12 HV	Home 20/16 HV	Home 30/24 HV [HV+]	Business 40/32 HV [HV+]	Business 60/48 HV [HV+]	Business 80/64 HV
Max Energy [kWh]	15	20	30	40	60	80
Energy, 90% DoD [kWh] ⁽¹⁾	13.5	18	27	36	54	72
Energy, 80% DoD [kWh] ⁽¹⁾	12	16	24	32	48	64
Nominal Voltage [V] ⁽²⁾	153	204	153 [307]	204 [410]	307 [614]	410
Max/Cont Discharge Current [A]	150/80	150/80	250/150 [150/100]	250/200 [150/100]	250/200 [150/100]	250/200
Max/Cont Discharge Power [kW]	20/12	30/16	38/23 [46/30]	51/40 [61/40]	76/61 [92/60]	102/80
Max and Cont Charge Current [A]	100	100	200 [100]	200 [100]	200 [100]	200
Weight [kg]	130	173	260	346	519	692
Dimensions on or against wall - Height x Width x Depth [mm]	745x 490x290	745x 640x290	1260x 490x290	1260x 640x290	1260x 490x565	1260x 640x565
DC Connection – Fly Leads, [no. per electrode] ⁽³⁾	1 x 16mm ²	1 x 16mm ²	1 x 25mm ²	1 x 50mm ²	1 x 50mm ²	1 x 50mm 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. Some models available in two voltages i.e. HV and HV+
- 3) Fly Leads 1,8m long, 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.
- 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.

www.freedomwon.co.za

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