

freedom WON

Freedom Lite Mini Range

The Mini range is designed for entry level Lithium storage solutions providing maximum value per kWh without compromising on longevity and performance by using the same high quality LiFePO4 cells as the standard Lite ranges.

SUMMARY DATASHEET

July 2018

Freedom Lite Mini	Mini 2,5	Mini 5	Mini 10
Max Energy at 100% DoD [kWh]	2,5	5	10
Current Capacity [Ah]	55	100	200
Max/Cont Current [A] (1)	120/100		240/200
Max/Cont Power [kW] (1)	6,2/5,2		12,5/10,4
Nominal Voltage [V](2)	52		
Weight [kg]	32	50	100
Dimensions on or against wall - Height x Width x Depth [mm]	544x318x237	570x372x265	916x372x265
Enclosure	Aluminium, White Coated, including feet and handles		
DC Connection	DC "Anderson" Plug to suit 35mm ² power cable (mating plug and cables included with Mini)		
Protection	Internal protection of cells for over and under voltage, pack overcurrent protection, cell temperature range protection		
Service Life	70% DoD – >5 500 cycles –15 years 90% DoD – >3 000 cycles – 10 years		
Warranty	Unlimited use for 5 years with >70% capacity remaining		

1) Max current and power for 1 minute

2) The Mini's are available in 26V on request. **Note that the power output is halved for a 26V model compared to the 52V model.**

Note:

- The Mini range does not include interfacing for external equipment or a State of Charge Display. Automatic resetting of protection allows for use with non interfacing inverters and chargers.
- The Mini is not suitable for use with transformer based inverters with high inrush current without using a pre-charge circuit – if in doubt please ask Freedom Won