



megaTower Extra 10M4T

Model	FWMT-1475-HVXA-12781080
Total Energy Capacity [kWh]	1475
Usable Energy, 90% DoD [kWh]	1327
Recommended Energy per Cycle, 80% DoD [kWh]	1180
Battery Current Capacity [Ah]	320x4
Nominal Voltage [V] ¹	1152
Max./Min Operating Voltage [V]	1278/1080
Max./Cont. Discharge Current [A] ²	800/640
Max./Cont. Discharge Power [kW]	922/737
Max./Cont. Charge Current [A] ²	640/384
Max./Cont. Charge Power [kW]	737/442
Total Weight - Including Rack [kg]	9940
Crated Weight [kg]	Frame: 788 Isolation Panel: 98 Busbars: 58 Modules: 284
Overall Dimensions - H x W x D [mm] ³	2531x5071x714
Crated Dimensions - H x W x D [mm]	Frame: 900x1600x2650 Isolation Panel: 520x540x1140 Busbars: 140x140x4100 Modules: 422x1320x772
Module and Cell Configuration	36 Cells per module in series, 10 modules in series per tower. 4 parallel towers per battery
Module Weight [kg]	234
DC Connection	Busbar in isolator cabinet - installer to connect appropriate cables
Module Enclosure	Mild Steel – powder coated white, IP54 enclosure rating, rack mounted to suit racks on both walls inside 12m long High Cube shipping containers with centre aisle. Note: Container floor might require reinforcement, container weight limitations apply for transport
Protection	Main bank fuses (1000A), fuses in each module (400A), contactors in each master module. Protection against short circuits, overcurrent, cell under and over voltage and temperature, weak cell detection
Control Interface	CAN Bus, Ethernet/Gateway
Human Interface	RJ45 plug for programming or PC access, On/Off button with indicator light
Remote Monitoring	Real time data logging and remote monitoring over Ethernet. Internet connection required
Service Life ⁴	Standard Warranty: 10 year (or 8000 cycles) 80% DoD, 0.5C Max Discharge, 0.3C Continuous Discharge, 0.3C Max Charge, Max 25°C

Notes to Specification Sheet

1. Voltage suitable for various high DC voltage inverters. Please enquire with Freedom Won for pairing support.
2. Max current duration 2 min every 10 min. 1.5 x Max overload can be handled for 5 seconds. Current limits rated for 10°C to 25°C battery temperature. Derating will apply outside this temperature range.
3. These dimensions do not include the isolation panel on the side. Power supply and isolation panel dimensions H x W x D [mm] 930x440x370mm. Isolation panel door faces container wall and requires 900mm space for mounting and the door to open.
4. Refer to warranty document for further details.
5. Isolation panel requires 220VAC to ensure the backup batteries are charged and balanced.

DISTRIBUTORS AND RESELLERS

Contact your nearest Accredited Freedom Won Distributor or Accredited EPCs for further sales and technical support.

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