

# Megatron Vertical Stack

## HIGH VOLTAGE SYSTEM

### MEGATRON-HV-104-STACK

MEGATRON®



#### Module Basic Parameters:

Module Nominal Voltage	76.8 V
Module Nominal Capacity ( Ah)	104 Ah
Module Nominal Power ( kWh)	7.98 kWh
Dimensions (mm) Assembled	444.6 x 723.5 x 1648.3
Weight (Kg)	+ / - 65 Kg
Discharge Cut-Off Voltage (Kg)	66V
Charge Voltage (Bulk + Absorption) (V)	84.3V
Max Continuous Discharge Current (A)	100A
Max Discharge Charge Current (60 Seconds)	200A
Max Continuous Charge Current (A)	100A
Maxcharge Current (A) (60 Seconds)	200A
Communication Interface	CAN
Configuration	24S
Operating Temperature	0 - 45 °C
Cell Chemistry	Lithium Iron Phosphate (LiFePO4)
Number Of Modules	Minimum 3, Maximum 12
Cycle Life	≥ 80% Capacity State After 4800 Cycles At 25°C

#### Details:

**Bulk + Absorption:** 84.3V

**Float:** 84.3V

**Low Voltage Cut Off:** 66V

**Charge For Parallel Units:** (90A \* Units In Parallel\*)

**Discharge For Parallel Units:** (100A \*Units In

#### Warranty:

**10 Year Warranty / 6000 Cycles**  
(20-30 Year Service Life)

#### Key Features:

- Parallel capability up to 5.4 MWh
- Active cell balancing (add a 90% charged module to a 20% bank - the system balances itself)
- Built-in fire suppression
- Hot battery adding (add batteries to existing bank without downtime)
- Slide-In architecture (modules slide into the cabinet and connect via built-in click-connectors)

#### 3 – 10 Modules To Ensure Inverter Compatibility:

3x Modules	23.964 Wh
4x Modules	31.948 Wh
5x Modules	39.935 Wh
6x Modules	47.922 Wh
7x Modules	55.909 Wh
8x Modules	63.896 Wh
9x Modules	71.883 Wh
10x Modules	79.870 Wh
11x Modules	87.857 Wh

#### Controller:

397.1MM X 636.6MM X 188.3MM



#### Rack:

444.6MM X 723.5MM X 1648.3MM



#### Module:

397.1MM X 719.5MM X 136MM

