

DATASHEET OCTAVE BATTERY CABINET



INDOOR 121 KWH

ITEM	VALUE
Min. nominal energy capacity	120.9 kWh
Maximum DC Current	150A DC
DC battery voltage (min.)	643V
DC battery voltage (nominal)	750V
DC battery voltage (max.)	995V
Cell Chemistry	Second-life Lithium-ion NMC
Estimated lifetime	> 4000 cycles at 0.5C, 80% DoD, 25°C
Battery BMS	Fully integrated BMS with: <ul style="list-style-type: none"> • Cell balancing • Cell and battery string voltage & temperature monitoring • Charge and discharge current limit control • Cell over- & under-voltage and temperature protection • State-of-charge and State-of-health monitoring for battery pack and battery module level • Battery pack temperature control
Integrated DC protection	<ul style="list-style-type: none"> • 160A DC fusing on both + & - poles • DC contactors on both + & - poles • Emergency stop interface to open both DC contactors
Size (width x depth x height)	800mm x 1000mm x 2208mm incl. 10cm base plinth for transport
Weight	900 kg
IP-rating	IP54
Climatization	Forced ventilation.
Operation Altitude	<2,000 MASL
Certification	UN 38.3 CE declaration of conformity provided by DNV Low Voltage Directive 2014/35/EU EMC directive 2014/30/EU Batteries directive 2006/66/EU EN 61439-1, EN 61439-2
Connectivity	Sunspec-compliant Modbus TCP/IP interface available Full remote monitoring of battery pack through Octave's battery cloud and dashboard