DATASHEET OCTAVE BATTERY CABINET

OUTDOOR 242 KWH

ITEM	VALUE
Min. nominal energy capacity	241.8 kWh
Maximum DC Current	150A DC per string.
# strings in cabinet	2
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: • 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	• 160A DC fusing on both + & - poles • DC contactors on both + & - poles. • Emergency stop interface to open both DC contactors
Battery string configuration	• 2 battery strings in the cabinet • Battery strings can be internally coupled in parallel, or each string can be individually coupled to an inverter
Size (width x depth x height)	1600mm x 1300mm x 2351mm incl. base plinth for transport* 1600mm x 1861mm x 2351mm incl. roof for inverter(s)*
Weight	2300 kg – max. 2500 kg incl. inverter(s) and roof for inverter(s)
IP-rating	IP55
Climatization	Air conditioning unit and heater
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

*Exact dimensions depend on selected configuration