

DATASHEET

OCTAVE ONE - Liquid

OUTDOOR 233 kWh - 100 kW



ITEM	VALUE
Rated Energy	233 kWh
Rated Power (AC)	100 kW
Maximum Power (AC)	115.5 kW
Rated Capacity	280 Ah
Charge/Discharge Rate	0.5 C
DC voltage Range	728V – 936V
DC Rated Voltage	832 V
Cell Chemistry	LFP
Cell Manufacturer	CATL
Capacity Guarantee	8000 cycles or 10 years, 70% SoH, at 0.5C, 90% DoD*
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 • Battery pack temperature control
AC grid connection	3P (+ N) + PE Optional separate auxiliary power: 1P
Rated grid voltage	400 V
THDi	<= 5%
Grid Frequency	50 / 60 Hz
Size (width x depth x height)	1350mm x 1300mm x 2050mm**
Weight	2.6 ton
IP-rating	IP 54
Climatization	Battery: Liquid cooling/heating with chiller. Air cooled Inverter.
Noise level	< 70dB
Total RTE	87%
Operation Altitude	<= 3,000 MASL
Relative Humidity	5%-95% (No condensing)
Fire Suppression System	Automatic Aerosol Fire Suppression System
Certification	UN 38.3; IEC 62619. Cells : UL1973, UL 9540A, IEC 62619. CE declaration of conformity: LVD: EN 62477-1 :2012 + A1:2017 EMC : IEC/EN 62477, IEC/EN 61000-6-2:2019, IEC/EN 61000-6-4:2019 RoHS Grid connection: EN 50549-1, G99, AS/NZS 4777, VDE 4105, CEI-016, CEI-021, NRS097, C10/11 Synergrid. Batteries directive 2006/66/EU
Connectivity	Ethernet Sunspec-compliant Modbus TCP/IP interface available Full remote monitoring of battery pack through Octave's battery cloud and dashboard

* See specific terms&conditions in the Octave quotation **Exact dimensions can vary slightly