



SINESTACK DATA SHEET

ITEM

SINESTACK SPECIFICATION

GENERAL

Rated Energy Capacity	868 kWh
Voltage Output	3 Phase AC – 400 Vac
3-Phase AC Voltage Range	320 Vac – 480 Vac
Nominal P-rate	0.5 (2-hour system)
Calendar Life	Up to 25 years
Cycle Life	Up to 12.000 cycles
Cell Chemistry	LFP

ELECTRICAL

Stack Rated Apparent Power	420 kVA (2-hour system)
Adjustable power factor	-1.0 to +1.0
AC Round trip efficiency at BOL (0.5C)	92%
Max. THD of current	3% @ rated power
Nominal grid frequency	50 Hz, 60 Hz
Integration method to grid	Direct integration, without any additional central inverter
Auxiliary load voltage	3-Phase 400 Vac
Communication interfaces	TCP-IP ethernet network, Modbus TCP, IEC 61508

MECHANICAL

Weight per stack	<8250 kg
Dimensions per stack (H x L x W)	2650 x 2150 x 1420 mm
Operating temperature	-30 to 50 degC
Coolant type	Water/Glycol
Sound level (from 10m distance)	<60 dBA
Enclosure Type / Rating	IP65

COMPLIANT

Codes & Compliance	CE marking, UN 38.3, IEC62619, IEC62477-1/-2 UL1973, UL 9540, UL 9540a
Grid compliant in the following countries	UK, EU
Fire Suppression System	Integrated active multi-layer protection



RIMAC
ENERGY

Croatia

Velimira Skorpika 26
10090 Zagreb
Croatia

United Kingdom

Unit 1, Tungsten Park
Colletts Way
Witney
Oxfordshire
OX29 0AX

General Enquiries

info@rimac-energy.com