



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



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