



C&I Storage system

This new Energy Storage System is a modular solution with Hybrid Cooling and rated capacity up to 215 kWh. It is designed to offer an innovative and flexible storage solution for commercial and industrial applications.

up to 215 kWh

Technical data and types

Parameters

System data (PCS + Battery modules)

Model type	215 kWh-2S11
Rated capacity	215.0 kWh
Maximum cycle rate	0.5 CP
Maximum cycle efficiency	89.0%
Depth of charge and discharge	0 ... 100%

Battery Parameters (DC)

Cell chemistry	LFP
Rated battery capacity	280 Ah
System battery configuration	240S1P
Number of battery PACKS	4
Operating voltage range	648 ... 864 V
Rated DC current	140 A

PCS Parameters (AC)

PCS model type	PCS2000-108k-MB1
Rated output power	108 kW
Rated AC current	130 A
Rated AC grid voltage	420/440/480 V (3P4W)
Rated output frequency	50/60 Hz
Adjustable power factor range	-1 ... +1
AC current harmonics THDi (rated output power @ on-grid) ¹⁾	≤ 1.5%
AC voltage harmonics THDu (linear load @ off-grid)	≤ 2.0%

Communication

Communication port	Ethernet / Optical fiber
Communication protocol	Modbus TCP

Environmental

Environmental protection rating	IP55
Operative temperature range	-30 °C to +55 °C (> 50°C Derating)
Storage temperature range	-35 °C ... +60 °C
Operating humidity range	0-100% (non-condensing)
Maximum operating altitude	4,000 m
Noise emission (rated operating condition)	≤ 65 dB(A)

General Specification

Dimensions (W x D x H)	1150mm x 1800mm x 2100mm
Weight	≤ 2.8T
System temperature control mode	Hybrid cooling
Balance mode	Active balance
SOC calibration mode	Automatic
Fire suppression mode	Pack-level oxygen barrier, Directional gas exhaust, Top explosion vent, Aerosol
Auxiliary power supply	176 ... 300 Vac, single phase, ≤ 5kW
Power consumption standby	≤ 150W
Lightning protection	Type II (AC port)
Protection mode	Anti-islanding prot., residual current detection, insulation resistance detection, AC overcurrent prot., AC cable connection prot.

Standards Compliance

Marking	CE, RoHS6
Certification standards	UL9540A, UN38.3, IEC 62477-1, IEC 62040-1, IEC 61000-6-1/2/3/4, IEC 61727, RoHS6
EMC protection rating	Classe B

1) Rated operating condition: the ambient temperature is 25°C, the charge/discharge rate is 0.5 CP, and the AC output voltage is 480 Vac.

Remarks:

- Features not specifically listed in the present data sheet are not included in the product



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