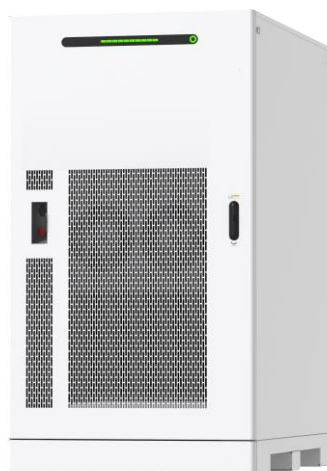


LUNA2000-215-2S10 Smart String ESS



More Energy



Simple O&M



Safe & Reliable

Energy Storage System Parameters

Model type	LUNA2000-215KWH-2S10
Rated capacity	215.0kWh
Maximum cycle rate	0.5 CP
Maximum cycle efficiency	≥91%
Depth of charge and discharge	0~100%
Dimensions (W x D x H)	1150mm×1800mm×2100mm
Weight	≤ 2.8 T
Operating temperature range	-30 °C ~ 55 °C (> 50°C Derating)
Storage temperature range	-40 °C ~ 60 °C
Operating humidity range	0 ~ 100% (non-condensing)
Maximum operating altitude	4,000 m
Installation environment requirement	Outdoor installation
Temperature control mode	Smart liquid cooling
Balance mode	Module-level active balance
SOC calibration mode	Automatic
Fire suppression mode	Pack positive pressure oxygen barrier, directional smoke exhaust, top explosion vent, power compartment aerosol
Auxiliary power supply	176~300 Vac, single phase, ≤5 kVA @0.5CP
Power consumption standby	150 W
Communication port	Ethernet / RS485 / Optical fiber (optional)
Communication protocol	Modbus TCP
Protection degree	IP55
EMC protection rating	Class B
Noise (rated working conditions)	65 dB(A)
Lightning protection	Type II (AC port)
Protection mode	Anti-islanding protection, residual current detection, insulation resistance detection, AC overcurrent protection, and AC cable connection protection
Environment	RoHS
Certification standards	GB/T 36276-2018; GB/T 33582; UL9540A; UN38.3; ISO 9227:2017; IEC 60529; IEC/EN 62477-1; IEC/EN 62040-1; IEC/EN 61000-6-2; IEC/EN 61000-6-4; EN 55011;

Battery Parameters (DC)

Cell material	LFP
Module configuration	4S1P
Module battery cell configuration	60S1P (280Ah)
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	164.1 A
AC voltage & frequency	380 / 400 / 415 V (3P4L), 50 / 60 Hz
Adjustable power factor range	-1 ... +1
AC current harmonics (THDi)	≤3 % (Rated output power)