

Model: LUNA2000-2507-2S (Preliminary)

Smart String Grid Forming ESS



All-architecture Safety



**All-scenario
Grid forming**



**All-lifecycle
Cost-effectiveness**



**All-rounder
Digitalization**

Battery Container

Model	LUNA2000-2507-2S
DC Rated Voltage	1,331.2 V
DC Max. Voltage	1,500 V
Nominal Energy Capacity	2,507 kWh
Charge & Discharge Rate	≤ 0.5 CP
Rated Power	1,253.5 kW
Dimension (W x H x D)	6,058 x 2,896 x 2,438 mm
Weight	< 27 t
Operation Temperature Range	-30°C ~ 55°C
Storage Temperature Range	-40°C ~ 60°C
Relative Humidity	0 ~ 100% (Non-condensing)
Max. Operating Altitude	4,700 m
Cooling Method	Liquid Cooling
Fire Suppression System	Water Sprinkler, NOVEC 1230
Communication Interface	Ethernet / SFP
Communication Protocol	Modbus TCP
Protection Degree	IP55
Anti-corrosion Degree	C5-Medium

Standards Compliance

RoHS, IEC62477-1, IEC62040-1, IEC61000-6-2, IEC62933-5-2, UL9540A, IEC62619, UN38.3, etc.

Battery Pack

Cell Material	LFP
Number of Cell	104
Nominal Capacity	314 Ah / 104.49 kWh
Protection Degree	IP65
Weight	< 710 kg
Dimensions (W x H x D)	785 x 249 x 2135 mm