

LUNA2000-2.0MWH Series

SmartStringESS



More Energy



Optimal Investment



Simple O & M



Safe & Reliable

Battery Container			
Model	LUNA2000-2.0MWH-1H0	LUNA2000-2.0MWH-1H1	LUNA2000-2.0MWH-2H1
DC Rated Voltage	1,200V	1,250V	1,250V
DC Max. Voltage	1,500V	1,500V	1,500V
Nominal Energy Capacity	2,064kWh	2,032kWh	2,032kWh
Charge & Discharge Rate	≤1C	≤1C	≤0.5C
Rated Power	2,064kW	2,032kW	1,016kW
Container Configuration (W x H x D)	6,058 x 2,896 x 2,438 mm	6,058 x 2,896 x 2,438 mm	6,058 x 2,896 x 2,438 mm
Container Weight	≤30t	≤30t	≤30t
Operation Temperature Range	-30°C ~ 55°C	-30°C ~ 55°C	-30°C ~ 55°C
Storage Temperature Range	40°C ~ 60°C	40°C ~ 60°C	40°C ~ 60°C
Relative Humidity	0~100% (Non-condensing)	0~100% (Non-condensing)	0~100% (Non-condensing)
Max. Operating Altitude	4,000m	4,000m	4,000m
Cooling Method	Smart AI Cooling	Smart AI Cooling	Smart AI Cooling
Configuration of HVAC	8HVACs ¹	8 or 6HVACs ¹	6 or 4HVACs ¹
Fire Suppression Agent	FM-200	FM-200/Novec1230™	FM-200/Novec1230™
Communication Interface	Ethernet/SFP	Ethernet/SFP	Ethernet/SFP
Communication Protocol	ModbusTCP/IEC104	ModbusTCP/IEC104	ModbusTCP/IEC104
Protection Degree	IP55	IP55	IP55
Anti-corrosion Degree	C5-Medium	C5-Medium	C5-Medium
Black Start	-	Optional	Optional
Standards Compliance			
RoHS, IEC62477-1, IEC62040-1, IEC61000-6-2, EN55011, UL9540A, IEC62619, UN3536, etc.			

¹The quantity of HVACs depends on crate and application scenario

LUNA2000-200KTL Series
Technical Specifications

Model	LUNA2000-200KTL-H0	LUNA2000-200KTL-H1
Efficiency		
Max.Efficiency	99.0%	
DC Side		
Rated DC Voltage	1,180V	
Max.DC Voltage	1,500V	
Operating DC Voltage Range	1,180V~1,500V	
Max.DC Current	207.6A	
Max.Number of Inputs	1	
AC Side		
Rated AC Active Power	200,000W @40°C	
Rated AC Voltage	800V	
Rated AC Grid Frequency	50Hz,60Hz	
Max.AC Current	173.2A	
Adjustable Power Factor Range	±1	
Max.Total Harmonic Distortion	THD _i < 1% (Rated)	
Black Start	-	Yes
Protection		
AC Overcurrent Protection	Yes	
DC Reverse Polarity Protection	Yes	
Insulation Resistance Detection	Yes	
Residual Current Protection	Yes	
DC Surge Protection ¹	Type1	
AC Surge Protection ¹	Type1	
Communication		
Display	LED Indicator, WLAN + APP	
USB	Yes	
Ethernet	Yes	
General		
Dimensions (W x H x D)	875x820x365mm	
Weight	<99kg	
Operating Temperature Range	-25°C~60°C	
Cooling Method	Smart Air Cooling	
Max. Operating Altitude without Derating	4,000m	
Relative Humidity	0~100% (Non-condensing)	
DC Connector	OT,DT Terminal	
AC Connector	OT,DT Terminal	
Protection Degree	IP66	
Anticorrosion Degree	C5-Medium	
Topology	Transformerless	
Standards Compliance		
RoHS, IEC62477-1, IEC61000-6-2, IEC61683, VDE 4120, EN 50549, etc.		

¹Compatible Type protection is according to IEC EN 61643-11