

# SMART STRING ENERGY STORAGE SYSTEM

LUNA2000-5/10/15-S0



**More Usable Energy** 100%  
Depth of Discharge and Pack-Level  
Energy Optimization



**Flexible Investment**  
5 kWh Modular Design,  
Scalable from 5 to 30 kWh



**Safe & Reliable**  
5-layer Safety Protection  
IP66



**Easy Installation** 12 kg  
Power Module 50 kg  
Battery Module

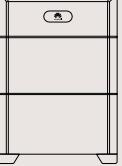


**Quick Commissioning**  
Automatic Device  
Discovery by the App



**Perfect Compatibility** Compatible  
to Single & Three Phase Inverters

# Technical Specification

	LUNA2000-5-S0	LUNA2000-10-S0	LUNA2000-15-S0
<b>Technical Specification</b>			
<b>Performance</b>			
Power module		LUNA2000-5KW-C0	
Number of power modules		1	
Battery module		LUNA2000-5-E0	
Battery module capacity		5 kWh	
Number of battery modules	1	2	3
Battery usable capacity <sup>1</sup>	5 kWh	10 kWh	15 kWh
Charging & discharging power	2.5 kW	5 kW	5 kW
Max. charging & discharging power <sup>2</sup>	3.74 kW	7 kW	7 kW
Nominal voltage (single-phase system)		450 V	
Operating voltage range (single-phase system)		350-560 V	
Nominal voltage (three-phase system)		600 V	
Operating voltage range (three phase system)		600 ~ 980 V	
Cycles and SOH <sup>3</sup>		>5000, 80%(10 years)	
<b>Communication</b>			
Display		SOC status indicator, LED indicator	
Communication		RS485/CAN (only for parallel operation)	
<b>General Specification</b>			
Dimensions (W x D x H)	670 mm x 150 mm x 600 mm (26.4 in. x 5.9 in. x 23.6 in.)	670 mm x 150 mm x 960 mm (26.4 in. x 5.9 in. x 37.8 in.)	670 mm x 150 mm x 1320 mm (26.4 in. x 5.9 in. x 60.0 in.)
Weight (Floor stand toolkit included)	63.8 kg (140.7 lb)	113.8 kg (250.9 lb)	163.8 kg (361.1 lb)
Power module dimension (W x D x H)		670 mm x 150 mm x 240 mm (26.4 in. x 5.9 in. x 9.4 in.)	
Power module weight		12 kg (26.5 lb)	
Battery module dimensions (W x D x H)		670 mm x 150 mm x 360 mm (26.4 in. x 5.9 in. x 14.0 in.)	
Battery module weight		50 kg (110.2 lb) <sup>4</sup>	
Installation		Floor stand (standard), Wall mount (optional)	
Operating temperature		-20°C to +55°C (-4°F to +131°F) <sup>5</sup>	
Max. operating altitude		4,000 m (13,123 ft.) (Derating above 2,000 m)	
Environment		Outdoor / Indoor <sup>6</sup>	
Relative humidity		5%-95% RH	
Cooling		Natural convection	
IP rating		IP 66	
Noise emission <sup>7</sup>		< 29 dB	
Cell technology		Lithium-iron phosphate (LiFePO4)	
Compatible inverters <sup>8</sup>		SUN2000-2/3/3.68/4/4.6/5/6KTL-L1, SUN2000-8/10K-LCO SUN2000-3/4/5/6/8/10KTL-M1, SUN2000-12/15/17/20/25K-MBO SUN2000-5/6/8/10/12K-MAPO, SUN5000-8/12K-MAPO, SUN5000-17/25K-MBO	
<b>Standards Compliance (More Available Upon Request)</b>			
Certificates		CE, RCM, CEC, VDE2510-50, IEC62619, IEC 60730, UN38.3	
<b>Ordering and Deliverable Part</b>			
Available for ordering <sup>9</sup>		LUNA2000-5KW-C0, LUNA2000-5-E0, LUNA2000 Wall Mounting Bracket	

\*1 Test conditions: 100% depth of discharge (DoD), 0.2C rate charge & discharge at 25°C, at the beginning of life. If no PV modules are installed or the system has not detected sunlight for at least 24 hours, the minimum end of discharge SOC is 15%.

\*2 The Max. power can maintain 5s, under the conditions: <80% SOC, work temperature between 25 °C to 40 °C.

\*3 Under the condition 35% DOD(depth of discharge).

\*4 The weight of the battery module is subject to the actual product, with a tolerance of ±3%.

\*5 Refer to battery warranty letter for conditional application.

\*6 Outdoor installation is recommended. For indoor installation, refer to the user manual for instruction.

\*7 Noise level (typical): < 29 dB(A) @1 m, 30°C, power on and run stably for 2 hours

\*8 Please contact local engineer for the compatibility.

\*9 Storage system is ordered and delivered in the form of power module and battery module separately with corresponding quantity.