HUAWEI

SMART STRING ENERGY STORAGE SYSTEM

Model：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

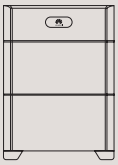
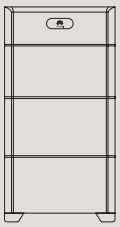
Easy Installation
12 kg Power Module
50 kg Battery Module

Quick Commissioning
Automatic Device
Discovery by the App

Perfect Compatibility
Compatible to Single & Three
Phase Inverters

Version No.: 01-202411

LUNA2000-5/10/15-S0
Technical Specification

Technical Specification	LUNA2000-5-S0	LUNA2000-10-S0	LUNA2000-15-S0
			

Performance			
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 [1]	5 kWh	10 kWh	15 kWh
Max. output power	2.5 kW	5 kW	5 kW
Peak output power	3.5 kW, 10s	7 kW, 10s	7 kW, 10s
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		
Communication			
Display	SOC status indicator, LED indicator		
Communication	RS485/CAN (only for parallel operation)		
General Specification			
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) [2]		
Installation	Floor stand (standard), Wall mount (optional)		
Operating temperature	–20°C to +55°C (–4°F to +131°F) [3]		
Max. operating altitude	4,000 m (13,123 ft.) (Derated above 2,000 m)		
Environment	Outdoor/Indoor [4]		
Relative humidity	5%–95% RH		
Cooling	Natural convection		
IP rating	IP 66		
Noise emission [5]	< 29 dB		
Cell technology	Lithium-iron phosphate (LiFePO4)		
Compatible inverters [6]	SUN2000-2/3/3.68/4/4.6/5/6KTL-L1, SUN2000-8/10K-LC0 SUN2000-3/4/5/6/8/10KTL-M1, SUN2000-12/15/17/20/25K-MB0 SUN2000-5/6/8/10/12K-MAP0, SUN5000-8/12K-MAP0, SUN5000-17/25K-MB0		
Standards Compliance (More Available Upon Request)			
Certificates	CE, RCM, CEC, VDE2510-50, IEC62619, IEC 60730, UN38.3		
Ordering and Deliverable Part			
Available for ordering [7]	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 weight of the battery modules varies with products, with a tolerance of ±3%.
*3 Refer to battery warranty letter for conditional application.
*4 Outdoor installation is recommended. For indoor installation, refer to the user manual for instruction.
*5 Noise level (typical): < 29 dB(A) @1 m, 30°C, power on and run stably for 2 hours
*6 Please contact a local engineer for compatibility information.
*7 The power module and battery modules of the storage system are separately ordered in the required quantity.

Disclaimer: The preceding values are measured by an internal laboratory of Huawei in a specific environment. The actual values may vary with products, software versions, usage conditions, and environmental factors.