HUAWEI

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

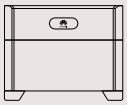
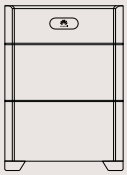
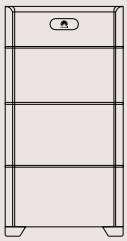
Quick Commissioning
Automatic Device Discovery by the App

Perfect Compatibility Compatible to Single & Three Phase Inverters

Version No.: 01-202410

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
Charging & discharging power	2.5 kW	5 kW	5 kW
Max. charging & discharging power [2]	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 [3]	>5000, 80%(10 years)		
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) [4]		
Installation	Floor stand (standard), Wall mount (optional)		
Operating temperature	–20°C to +55°C (–4°F to +131°F) [5]		
Max. operating altitude	4,000 m (13,123 ft.) (Derating above 2,000 m)		
Environment	Outdoor / Indoor [6]		
Relative humidity	5%-95% RH		
Cooling	Natural convection		
IP rating	IP 66		
Noise emission [7]	< 29 dB		
Cell technology	Lithium-iron phosphate (LiFePO4)		
Compatible inverters [8]	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 [9]	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.

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.

Version No.: 01-202410