

# 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

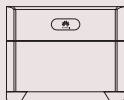
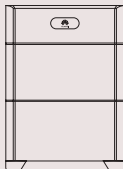
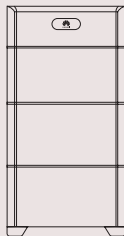


**Quick Commissioning**  
Automatic Device  
Discovery by the App



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

# ● LUNA2000-5/10/15-S0 Technical Specification

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

| 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 <sup>1</sup>               | 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<br>(26.4 in. x 5.9 in. x 23.6 in.)       | 670 mm x 150 mm x 960 mm<br>(26.4 in. x 5.9 in. x 37.8 in.) | 670 mm x 150 mm x 1320 mm<br>(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>2</sup>                                     |                                                             |                                                              |
| Installation                                       | Floor stand (standard), Wall mount (optional)                     |                                                             |                                                              |
| Operating temperature                              | –20°C to +55°C (–4°F to +131°F) <sup>3</sup>                      |                                                             |                                                              |
| Max. operating altitude                            | 4,000 m (13,123 ft.) (Derated above 2,000 m)                      |                                                             |                                                              |
| Environment                                        | Outdoor/Indoor <sup>4</sup>                                       |                                                             |                                                              |
| Relative humidity                                  | 5%–95% RH                                                         |                                                             |                                                              |
| Cooling                                            | Natural convection                                                |                                                             |                                                              |
| IP rating                                          | IP 66                                                             |                                                             |                                                              |
| Noise emission <sup>5</sup>                        | < 29 dB                                                           |                                                             |                                                              |
| Cell technology                                    | Lithium-iron phosphate (LiFePO4)                                  |                                                             |                                                              |
| Compatible inverters <sup>6</sup>                  | 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 <sup>7</sup>                | LUNA2000-5KW-C0, LUNA2000-5-E0, LUNA2000 Wall Mounting Bracket    |                                                             |                                                              |

<sup>\*1</sup> 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%.

<sup>\*2</sup> The weight of the battery modules varies with products, with a tolerance of ±3%.

<sup>\*3</sup> Refer to battery warranty letter for conditional application.

<sup>\*4</sup> Outdoor installation is recommended. For indoor installation, refer to the user manual for instruction.

<sup>\*5</sup> Noise level (typical): < 29 dB(A) @1 m, 30°C, power on and run stably for 2 hours

<sup>\*6</sup> Please contact a local engineer for compatibility information.

<sup>\*7</sup> 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.