



Smart String Battery



More Usable Energy

100% Depth of Discharge
Pack Level Energy Optimization



Flexible Investment

5kWh Modular Design,
Scalable from 5 to 30 kWh



Safe & Reliable

Lithium Iron Phosphate (LFP) Cell



Easy Installation

12 kg Power Module
50 kg Battery Module



Quick Commissioning

Automatically Detected in App



Perfect Compatibility

Compatible to Both Residential
Single & Three Phase Inverter



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 energy | 5 kWh | | |
| Number of battery Modules | 1 | 2 | 3 |
| Battery usable energy | 5 kWh | 10 kWh | 15 kWh |
| Max. output power | 2.5 kW | 5 kW | 5 kW |
| Peak output power | 3.5 kW, 10 s | 7 kW, 10 s | 7 kW, 10 s |
| Nominal voltage (single phase system) | 360 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 | | | |
|---------------------------------------|---|--|---|
| Dimension (W*D*H) | 670 * 150 * 600 mm (26.4 * 5.9 * 23.6 inch) | 670 * 150 * 960 mm (26.4 * 5.9 * 37.8 inch) | 670 * 150 * 1320 mm (26.4 * 5.9 * 60.0 inch) |
| 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*D*H) | 670 * 150 * 240 mm (26.4 * 5.9 * 9.4 inch) | | |
| Power module weight | 12 kg (26.5 lb) | | |
| Battery module dimension (W*D*H) | 670 * 150 * 360 mm (26.4 * 5.9 * 14.0 inch) | | |
| Battery module weight | 50 kg (110.2 lb) | | |
| Installation | Floor stand (standard), Wall mount (optional) | | |
| Operating temperature | -10°C ~ +55°C (14°F ~ 131°F) ¹ | | |
| Relative humidity | 5% ~ 95% | | |
| Cooling | Natural convection | | |
| Protection rating | IP 55 | | |
| Noise emission | <29 dB | | |
| Cell technology | Lithium-iron phosphate (LiFePO4) | | |
| Warranty | 10 years ² | | |
| Scalability | Max. 2 systems in parallel operation | | |
| Compatible inverters | SUN2000L-2/3/3.68/4/4.6/5KTL ³ , SUN2000-2/3/3.68/4/4.6/5/6KTL-L1, SUN2000-3/4/5/6/8/10KTL-M0 ³ , SUN2000-3/4/5/6/8/10KTL-M1 | | |

| Standard Compliance (more available upon request) | |
|---|---|
| Certificates | CE, RCM, CEC, VDE2510-50, IEC62619, IEC 60730, UN38.3 |

| Ordering and Deliverable Part | |
|-------------------------------------|--|
| Product ordering model ⁴ | LUNA2000-5KW-C0, LUNA2000-5-E0, LUNA2000 Wall Mounting Bracket |

1. Charge/discharge derating occurs when the operating temperature from -10°C to 5 °C.
2. Refer to battery warranty letter for conditional application.
3. Available in Q1, 2021
4. Storage system is ordered and delivered in the form of power module and battery module separately with corresponding quantity.