

Smart String Energy Storage System



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





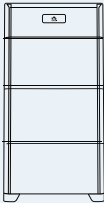
Quick Commissioning

Automatically Detected in App



Perfect Compatibility

Compatible to Both Residential
Single & Three Phase Inverter

| 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 ¹ | 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) ² | | |
| Operating altitude | 0 - 4,000 m (13,123 ft.) (Derating above 2,000 m) | | |
| Relative humidity | 5% ~ 95% | | |
| Cooling | Natural convection | | |
| Protection rating | IP 66 | | |
| Noise emission | <29 dB | | |
| Cell technology | Lithium-iron phosphate (LiFePO4) | | |
| Warranty | 5 years ³ | | |
| Scalability | Max. 2 systems in parallel operation | | |
| Compatible inverters | SUN2000-3/5KTL-L1, SUN2000-5/10KTL-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. Test conditions: 100% depth of discharge (DoD), 0.2C rate charge & discharge at 25°C
2. Charge/discharge derating occurs when the operating temperature from -10°C to 5 °C & 45 °C to 55 °C.
3. Refer to battery warranty letter for conditional application.
4. Storage system is ordered and delivered in the form of power module and battery module separately with corresponding quantity.