Smart String Battery

- **Power Module**
- **Battery Module** (Energy Optimizer Included)

**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

## Performance

<table>
<thead>
<tr>
<th>Power module</th>
<th>Number of power modules</th>
<th>Battery module</th>
<th>Battery module energy (kWh)</th>
<th>Battery usable energy (kWh)</th>
<th>Max. output power (kW)</th>
<th>Peak output power (kW)</th>
<th>Nominal voltage (single phase system)</th>
<th>Operating voltage range (single phase system) (V)</th>
<th>Nominal voltage (three phase system) (V)</th>
<th>Operating voltage range (three phase system) (V)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LUNA2000-5KW-C0</td>
<td>1</td>
<td>LUNA2000-5-E0</td>
<td>5</td>
<td>5</td>
<td>2.5</td>
<td>3.5, 10 s</td>
<td>360</td>
<td>350 – 560</td>
<td>600</td>
<td>600 – 980</td>
</tr>
</tbody>
</table>

## Communication

- Display: SOC status indicator, LED indicator
- Communication: RS485 / CAN (only for parallel operation)

## General Specification

<table>
<thead>
<tr>
<th>Dimension (W<em>D</em>H)</th>
<th>Weight (Floor stand toolkit included)</th>
<th>Power module dimension (W<em>D</em>H)</th>
<th>Power module weight</th>
<th>Battery module dimension (W<em>D</em>H)</th>
<th>Battery module weight</th>
<th>Installation</th>
<th>Operating temperature</th>
<th>Relative humidity</th>
<th>Cooling</th>
<th>Protection rating</th>
<th>Noise emission</th>
<th>Cell technology</th>
<th>Warranty</th>
<th>Scalability</th>
<th>Compatible inverters</th>
</tr>
</thead>
<tbody>
<tr>
<td>670 * 150 * 600 mm (26.4 * 5.9 * 23.6 inch)</td>
<td>63.8 kg (140.7 lb)</td>
<td>670 * 150 * 240 mm (26.4 * 5.9 * 9.4 inch)</td>
<td>12 kg (26.5 lb)</td>
<td>670 * 150 * 360 mm (26.4 * 5.9 * 14.0 inch)</td>
<td>50 kg (110.2 lb)</td>
<td>Floor stand (standard), Wall mount (optional)</td>
<td>-10°C ~ + 55°C (14°F ~ 131°F)</td>
<td>5% - 95%</td>
<td>Natural convection</td>
<td>&lt;29 dB</td>
<td>Lithium-iron phosphate (LiFePO4)</td>
<td>10 years</td>
<td>Max. 2 systems in parallel operation</td>
<td>SUN2000L-2/3/3.68/4/4.6/5KTL-L1, SUN2000-2/3/3.68/4/4.6/5/6KTL-L1, SUN2000-3/4/5/6/8/10KTL-M1, SUN2000-3/4/5/6/8/10KTL-M1</td>
<td></td>
</tr>
<tr>
<td>670 * 150 * 960 mm (26.4 * 5.9 * 37.8 inch)</td>
<td>113.8 kg (250.9 lb)</td>
<td>670 * 150 * 240 mm (26.4 * 5.9 * 9.4 inch)</td>
<td>12 kg (26.5 lb)</td>
<td>670 * 150 * 360 mm (26.4 * 5.9 * 14.0 inch)</td>
<td>50 kg (110.2 lb)</td>
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</tr>
<tr>
<td>670 * 150 * 1320 mm (26.4 * 5.9 * 60.0 inch)</td>
<td>163.8 kg (361.1 lb)</td>
<td>670 * 150 * 240 mm (26.4 * 5.9 * 9.4 inch)</td>
<td>12 kg (26.5 lb)</td>
<td>670 * 150 * 360 mm (26.4 * 5.9 * 14.0 inch)</td>
<td>50 kg (110.2 lb)</td>
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</table>

## Standard Compliance (more available upon request)

- Certificates: CE, RCM, CEC, VDE2510-50, IEC62619, IEC 60730, UN38.3

## Ordering and Deliverable Part

- Product ordering model: LUNA2000-5KW-C0, LUNA2000-5-E0, LUNA2000 Wall Mounting Bracket

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1. Charge/discharge derating occurs when the operating temperature from -10°C to 5°C.
2. 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.