SMILE-B3

RESIDENTIAL SERIES
CAPACITY

2.9 kWh modular expandable to 17.2 kWh

AC-Coupling
Built-in battery
Modular design
Easy installation and low maintenance
24/7 Monitoring
### System Specification

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. AC Output Power</td>
<td>3000 W</td>
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</tr>
<tr>
<td>IP Protection</td>
<td>IP65 (Outdoor) / IP21 (Indoor)</td>
</tr>
<tr>
<td>Dimension (W x D x H)</td>
<td>610 x 236 x 625 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>45 kg</td>
</tr>
<tr>
<td>Operating Temperature Range</td>
<td>-10 °C ~ 50 °C*, 0 °C ~ 40 °C (1C)</td>
</tr>
<tr>
<td>Warranty</td>
<td>5 Year Product Warranty, 10 Year Battery Warranty</td>
</tr>
</tbody>
</table>

### Inverter Technical Specification

- Max. AC Input Current: 13 A
- Nominal AC Input Voltage: 230 V
- Battery Voltage Range: 40 ~ 58 V
- Max. Charging/Discharging Current: 60 A
- Max. Charging/Discharging Power: 3000 W
- Phase: Single-Phase
- Nominal AC Output Voltage: 230 V
- Grid Voltage Range: 180 ~ 270 V
- Rated Frequency: 50 / 60 Hz
- Backup: UPS
- Grid Regulation: AS 4777.2, VDE-AR-N 4105, G98-1, G100, TOR D4, CEI 0-21
- Safety: IEC 62040-1, IEC 62477-7

### Battery Technical Specification

- Module Capacity: 2.9 kWh
- Usable Capacity: 2.8 kWh
- Depth of Discharge (DoD): 96%
- Module Nominal Voltage: 51.2 V
- Max. Short-circuit Current: 200 A
- Cycle Life: 10 000 **
- Max. Charging/Discharging Current: 56 A (1C)
- External Battery Expansion: 1 ~ 5 M4856-P in parallel
- Certification: UN38.3, IEC 62619 (Cell), IEC 62619 (Pack)

* When the temperature is below 0 °C or above 40 °C, the performance will be limited.
** Under specific test conditions