

SMILE-S5/B5



| Model | SMILE-S5* | SMILE-B5** |
|------------------------------|--|-------------|
| System Specification | | |
| Nominal Output Power | 5000 W / VA | 5000 W / VA |
| Capacity Range | 5.04 ~ 30.24 kWh (95% DoD) | |
| Battery Chemistry | LFP (LiFePO4) | |
| IP Protection | IP65 (Outdoor) | |
| System Dimension (W x D x H) | 640 x 250 x 695 mm | |
| System Weight | 70 kg | 68 kg |
| Warranty | 5 Year Product Warranty, 10 Year Performance Warranty*** | |

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|-------------------|---|
| BESS Model | SMILE-S5/B5 II(115 kg/113 kg; 650 x 250 x 1040 mm; 10.08 kWh): SMILE-S5/B5+SMILE-BAT-5Px1 |
| | SMILE-S5/B5 III(160 kg/158 kg; 650 x 250 x 1385 mm; 15.12 kWh): SMILE-S5/B5+SMILE-BAT-5Px2 |
| | SMILE-S5/B5 IV(205 kg/203 kg; 650 x 250 x 1730 mm; 20.16 kWh): SMILE-S5/B5+SMILE-BAT-5Px3 |
| | SMILE-S5/B5 V(250 kg/248 kg; 650 x 250 x 2075 mm; 25.20 kWh): SMILE-S5/B5+SMILE-BAT-5Px4 |
| | SMILE-S5/B5 VI(295 kg/293 kg; 650 x 250 x 2420 mm; 30.24 kWh): SMILE-S5/B5+SMILE-BAT-5Px5 |

| Inverter Technical Specification | | |
|---|---------------------------------------|--------|
| Coupling | Hybrid | AC |
| Max. Input DC Voltage | 600V | NA |
| Max. PV Input Power | 8000 W | NA |
| Max. PV Input Current | 15 A / 15 A | NA |
| Start-up voltage | 120 V | NA |
| Minimum operating voltage | 90 V | NA |
| MPPT No/Strings Per MPPT | 2/1 | NA |
| MPPT Voltage Range | 90 ~ 520 V | NA |
| Max. PV Short-circuit Current | 22.5 / 22.5 A | NA |
| Max. Charging/Discharging Current | 100 A | 100 A |
| Max. Charging/Discharging Power | 5000 W | 5000 W |
| Rated Frequency | 50 / 60 Hz | |
| Rated Voltage | 230 V | |
| Rated. AC Output Current | 21.7 A | 21.7 A |
| Max. AC Input Current | 33 A | 33 A |
| UPS Power | 5000 W/VA | |
| Efficiency | 96.7% | 96.5% |
| Humidity | 0~95% (No Condensing) | |
| Dimension (W x D x H) | 530 x 250 x 350 mm | |
| Inverter Weight | 25 kg | 23 kg |
| Operating Temperature Range | -25 to +60 °C (derating above 45 °C) | |
| Active anti-islanding method | Active frequency shifting | |
| Inverter Topology | Non-isolated | |
| Safety | IEC 62109, IEC 62477 | |
| EMC | EN61000-6-1/-2/-3/-4 | |
| Grid Regulation | AS4777.2 | |

| Battery Technical Specification | |
|--|--------------------|
| Module Mode | SMILE-BAT-5P |
| Module Capacity | 5.04 kWh |
| Usable Capacity | 4.79 kWh |
| Dimension (W x D x H) | 650 x 250 x 345 mm |
| Inverter Weight | 45 kg |
| Depth of Discharge (DoD) | 95% |
| Nominal Voltage | 48 V |
| Max. Charging/Discharging Current | 52.5 A |
| Operating Temperature Range | -10°C ~ 50°C**** |
| Cycle Life | 6000 |
| External Battery Expansion | 1 ~ 5 in parallel |

* The system will be named as SMILE-S5, SMILE S5 II, SMILE-S5 III, SMILE-S5 IV, SMILE-S5 V, SMILE-S5 VI with 1~6 batteries modules.
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 *** The precondition of the valid Performance Warranty shall be that: The ambient temperature during the operation of the Products shall not fall below - 10 °C or exceed 50 °C, and the Throughput Energy per kWh Usable Capacity is less than 3.12MWh.
 **** When the ambient temperature is too low or too high, the performance of battery may be limited.

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