

SMILE-G3



| Model | SMILE-G3-S3.6-INV | SMILE-G3-S5-INV | SMILE-G3-B5-INV |
|------------------------------|--|-----------------|-----------------|
| System Specification | | | |
| Nominal Output Power | 3680 W | 5000 W | 5000 W |
| Capacity Range | 10.1 ~ 60.5 kWh (95% DoD) | | |
| Battery Chemistry | LFP (LiFePO ₄) | | |
| IP Protection | IP65 (Outdoor) | | |
| System Dimension (W x D x H) | 610 x 250 x 1161 mm (with Bracket) | | |
| System Weight | 109.5 kg | | |
| Warranty | 10 Year Product Warranty, 10 Year Battery Performance Warranty | | |

| Inverter Technical Specification | | | |
|--|---|-----------------|-----------------|
| Model | SMILE-G3-S3.6-INV | SMILE-G3-S5-INV | SMILE-G3-B5-INV |
| Coupling | Hybrid | Hybrid | AC |
| Max. PV Input Power | 7360 W | 10000 W | N/A |
| Max. PV Input Current | 16 A / 16 A | | N/A |
| Max. PV Input Voltage | 580 V | | N/A |
| MPPT Number / Max. Input Strings Number per MPPT | 2/1 | | N/A |
| Input start-up voltage | 90 V | | N/A |
| MPPT Voltage Range | 100 ~ 550 V | | N/A |
| Max. PV Short-Circuit Current | 24 A / 24 A | | N/A |
| Max. Charging/Discharging Current | 60 A | | |
| Max. Charging/Discharging Power | 3680 W | 5000 W | 5000 W |
| Rated Frequency | 50 / 60 Hz | | |
| Rated Voltage | 230 V | | |
| Rated Output Apparent Power (Grid Port) | 3680 VA | 5000 VA | 5000 VA |
| Rated Output Apparent Power (Backup Port) | 3680 VA | 5000 VA | 5000 VA |
| Max. AC input Power (Grid Port) | 7360 W | 10000 W | 10000 W |
| Rated Output Current (Grid Port) | 16 A | 21.7 A | 21.7 A |
| Max. AC Output Current (Grid Port) | 16 A | 21.7 A | 21.7 A |
| Rated Output Current (Backup Port) | 16 A | 21.7 A | 21.7 A |
| Max. AC Output Current (Backup Port) | 16 A | 21.7 A | 21.7 A |
| Max. Inverter Efficiency | 97.3% | | |
| Backup | UPS | | |
| Communication | Ethernet / WiFi | | |
| Humidity | 0~90% (Non-Condensing) | | |
| Dimension (W x D x H) | 610 x 212 x 366 mm | | |
| Weight | 20 kg | | |
| Safety | IEC 62109, IEC 62040 | | |
| EMC | EN61000-6-1/-2/-3/-4 | | |
| Grid Regulation | AS4777.2, NRS 097, VDE 0126, VDE 4105, EN 50549 | | |
| Operating temperature | -25~60 °C | | |
| IP rating | IP 65 | | |
| Active anti-Islanding method | RoCoF | | |
| Country of manufacture | China | | |

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|--|--------------------|
| Battery Technical Specification | |
| Module Mode | SMILE-G3-BAT-10.1P |
| Module Capacity | 10.1 kWh |
| Usable Capacity | 9.6 kWh |
| Depth of Discharge (DoD) | 95% |
| Nominal Voltage | 96 V |
| Battery Voltage Range | 91.5 V ~ 106.5 V |
| Max. Charging/Discharging Current | 60 A |
| Operating Temperature Range | -10 °C ~ 50 °C* |
| Cycle Life | 8000** |
| Battery Modules Connectable | 1 ~ 6 in Parallel |

* When the ambient temperature is too low or too high, the performance of battery may be limited.

** Under specific test conditions.

