



# SMILE-G3-T4/T5/T6/T8/T10

4 / 5 / 6 / 8 / 10 kW

## Compatible with EV Charger and Heat Pump

# SMILE-G3-T4/T5/T6/T8/T10



| Model                             | SMILE-G3-T4                                                      | SMILE-G3-T5     | SMILE-G3-T6     | SMILE-G3-T8     | SMILE-G3-T10     |
|-----------------------------------|------------------------------------------------------------------|-----------------|-----------------|-----------------|------------------|
| System Specifications             |                                                                  |                 |                 |                 |                  |
| Nominal Output Power              | 4000 W                                                           | 5000 W          | 6000 W          | 8000 W          | 10000 W          |
| Capacity Range                    | 3.8 ~ 23.0 kWh / 4.0 ~ 24.0 kWh / 8.2 ~ 49.2 kWh (95% DoD)       |                 |                 |                 |                  |
| Battery Chemistry                 | LFP (LiFePO4)                                                    |                 |                 |                 |                  |
| Warranty                          | 10 Years Product Warranty, 10 Years Battery Performance Warranty |                 |                 |                 |                  |
| Inverter Technical Specifications |                                                                  |                 |                 |                 |                  |
| Model Coupling                    | SMILE-G3-T4-INV                                                  | SMILE-G3-T5-INV | SMILE-G3-T6-INV | SMILE-G3-T8-INV | SMILE-G3-T10-INV |
| Max. PV Input Power               | Hybrid                                                           | Hybrid          | Hybrid          | Hybrid          | Hybrid           |
| Max. PV Input Current             | 8000 W                                                           | 10000 W         | 12000 W         | 16000 W         | 20000 W          |
| Max. PV Input Voltage             | 16 A / 16 A / 16 A                                               |                 |                 |                 |                  |
| MPPT Number / Max. Input Strings  | 1000 V                                                           |                 |                 |                 |                  |
| Number per MPPT                   | 3 / 1                                                            |                 |                 |                 |                  |
| MPPT Voltage Range                | 140 ~ 950 V                                                      |                 |                 |                 |                  |
| Max. PV Short-Circuit Current     | 24 A / 24 A / 24 A                                               |                 |                 |                 |                  |
| Max. Charging/Discharging Current | 40 A                                                             |                 |                 |                 |                  |
| Max. Charging/Discharging Power   |                                                                  |                 |                 |                 |                  |
| Rated Frequency                   | 4000 W                                                           | 5000 W          | 6000 W          | 8000 W          | 10000 W          |
| Rated Voltage                     | 50 / 60 Hz                                                       |                 |                 |                 |                  |
| Phase                             | 220 V / 380 V, 230 V / 400 V                                     |                 |                 |                 |                  |
| Rated Output Power (Grid Port)    | Three Phase                                                      |                 |                 |                 |                  |
| Rated Output Power (Backup Port)  | 4000 W                                                           | 5000 W          | 6000 W          | 8000 W          | 10000 W          |
| Rated Input Power (On-grid)*      | 4000 W                                                           | 5000 W          | 6000 W          | 8000 W          | 10000 W          |
| Backup Communication              | 8000 W                                                           | 10000 W         | 12000 W         | 15000 W         | 15000 W          |
| Relative Humidity                 | UPS                                                              |                 |                 |                 |                  |
| Dimensions (W x D x H)            | Ethernet / WiFi / Modbus / API                                   |                 |                 |                 |                  |
| Weight                            | 0 ~ 90% (No Condensation)                                        |                 |                 |                 |                  |
| IP Protection                     | 610 x 212.5 x 416 mm                                             |                 |                 |                 |                  |
| Safety                            | 26.7 kg                                                          |                 |                 |                 |                  |
| EMC                               | IP65                                                             |                 |                 |                 |                  |
| Overvoltage Category              | IEC 62109-1/-2                                                   |                 |                 |                 |                  |
| Grid Regulation                   | IEC 61000-6-1/-3                                                 |                 |                 |                 |                  |
|                                   | DC II                                                            |                 |                 |                 |                  |
|                                   | VDE 4105, EN 50549-1, VDE0126-01-01, NC RFC                      |                 |                 |                 |                  |

|                                   |                      |                      |                      |
|-----------------------------------|----------------------|----------------------|----------------------|
| Battery Technical Specifications  |                      |                      |                      |
| Module Model                      | SMILE-G3-BAT-3.8S    | SMILE-G3-BAT-4.0S    | SMILE-G3-BAT-8.2P    |
| Nominal Capacity                  | 3.8 kWh              | 4.0 kWh              | 8.2 kWh              |
| Usable Capacity                   | 3.6 kWh              | 3.8 kWh              | 7.8 kWh              |
| Depth of Discharge (DoD)          | 95%**                |                      |                      |
| Nominal Voltage                   | 96 V                 | 96 V                 | 256 V                |
| Max. Charging/Discharging Current | 40 A***              | 42 A                 | 32 A****             |
| Rated Charging/Discharging Rate   | 1 C                  |                      |                      |
| Operating Temperature Range       | -10°C ~ 50 °C*****   |                      |                      |
| Cycle Life                        | 10000*****           |                      |                      |
| Battery Modules Connection        | 1 ~ 6 in Series      | 1 ~ 6 in Series      | 1 ~ 6 in Parallel    |
| IP Protection                     | IP21                 | IP65                 | IP21                 |
| Dimensions (W x D x H)            | 610 x 212.5 x 435 mm | 610 x 212.5 x 435 mm | 610 x 212.5 x 793 mm |
| Weight                            | 39.2 kg              | 42.5 kg              | 78.3 kg              |

\* Under specific application

\*\* Test condition: Max. 0.5C charge/discharge at 25±2°C.

\*\*\* 50A discharging current sustainable for 30 minutes in off-grid operation.

\*\*\*\* 40A discharging current sustainable for 30 minutes in off-grid operation.

\*\*\*\*\* Max. charge/discharge current derating may occur with changes in temperature and SoC.

\*\*\*\*\* Under specific test conditions.



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