

Preliminary Datasheet

YOUR
SMART
ENERGY



SMILE-M5

RESIDENTIAL SERIES

POWER

5 kW Hybrid Inverter
Single Phase

CAPACITY

5 ~ 20 kWh with
5 kWh Battery Module



Quick Setup with Stackable Design

Fast-Suppression Aerosol Fire Defense

Boost Profits with 240% PV Oversizing

Expert in All-in-One System

SMILE-M5



| Model | SMILE-M5 |
|--------------------------------------------------|-----------------------------------------------|
| System Specification | |
| Nominal Output Power | 5000 W |
| Max. Battery Capacity | 5 ~ 20 kWh (100% DoD) |
| Battery Chemistry | LFP (LiFePO4) |
| Warranty | 10 Years Warranty |
| Inverter Technical Specification | |
| Model | SMILE-M5-S-INV |
| Inverter Type | Hybrid Inverter |
| Max. PV Input Power | 10000 W |
| Max. PV Input Current (per MPPT) | 16 A |
| Max. PV Input Voltage | 550 V |
| MPPT Number / Max. Input Strings Number per MPPT | 2/1 |
| MPPT Voltage Range | 100 ~ 550 V |
| Max. PV Short-Circuit Current (per MPPT) | 25 A |
| Max. Charging / Discharging Current | 100 A |
| Max. Charging / Discharging Power | 5000 W |
| Rated Frequency | 50 / 60 Hz |
| Rated Voltage | 230 V |
| Phase | Single Phase |
| Backup | UPS |
| Communication | Ethernet / WiFi |
| Dimensions (W*H*D) | 620 * 240 * 412.5 mm |
| Weight | 19.5 kg |
| Ingress Protection(IP) Rating | IP 65 |
| Safety | IEC62109-1/-2, IEC62477 |
| EMC | IEC 61000-6-1/3, IEC61000-302/3 |
| Grid Regulation | AS / NZ4777.2 |
| Battery Technical Specification | |
| Module Model | SMILE-M-BAT-5P |
| Nominal Capacity | 5 kWh |
| Modules Connection | 1 ~ 4 in parallel |
| Max. Charging/Discharging Current | 100 / 100 A |
| Operating Temperature Range | 0 ~ 50 °C (Charge); -10 ~ 50 °C (Discharge) |
| IP Protection | IP 65 |
| Dimensions (W*H*D) | 620 * 240 * 390 mm |
| Weight | 49.5 kg |



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