

SMILE-G3-T10



Model	SMILE-G3-T10
System Specifications	
Nominal Output Power	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	SMILE-G3-T10-INV
Coupling	Hybrid
Max. PV Input Power	20000 W
Max. PV Input Current	16 A / 16 A / 16 A
Max. PV Input Voltage	1000 V
MPPT Number / Max. Input Strings 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	10000 W
Rated Frequency	50 / 60 Hz
Rated Voltage	220 V / 380 V, 230 V / 400 V
Phase	Three Phase
Rated Output Power (Grid Port)	10000 W
Rated Output Power (Backup Port)	10000 W
Rated Input Power (On-grid)*	15000 W
Backup	UPS
Communication	Ethernet / WiFi / Modbus / API
Relative Humidity	0 ~ 90% (No Condensation)
Dimensions (W x D x H)	610 x 212.5 x 416 mm
Weight	26.7 kg
IP Protection	IP65
Safety	IEC 62109-1/-2
EMC	IEC 61000-6-1/-3
Overvoltage Category	DC II
Grid Regulations	VDE 4105, EN 50549-1, VDE0126-01-01, NC RFG
Battery Technical Specifications	
Module Mode	SMILE-G3-BAT-3.8S
Nominal Capacity	3.8 kWh
Usable Capacity	3.6 kWh
Depth of Discharge (DoD)	95%**
Nominal Voltage	96 V
Battery Voltage Range	40 A***
Max. Charging/Discharging Current	1 C
Operating Temperature Range	-10°C ~ 50 °C*****
Cycle Life	10000*****
Battery Modules Connection	1 ~ 6 in Series
IP Protection	IP21
Dimensions (W x D x H)	610 x 212.5 x 435 mm
Weight	39.2 kg
** 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.	