

SMILE-G3-T4-10



Model	SMILE-G3-T4	SMILE-G3-T6	SMILE-G3-T8	SMILE-G3-T10
System Specifications				
Nominal Output Power	4 kW	6 kW	8 kW	10 kW
Capacity Range	7.6 ~ 22.8 kWh (95% DoD)			
Battery Chemistry	LFP (LiFePO ₄)			
IP Protection	IP21 (Indoor)			
Warranty	10 Years Product Warranty			

Inverter Technical Specifications				
Model	SMILE-G3-T4-INV	SMILE-G3-T6-INV	SMILE-G3-T8-INV	SMILE-G3-T10-INV
Coupling	Hybrid	Hybrid	Hybrid	Hybrid
Max. PV Input Power	4 kW	6 kW	8 kW	10 kW
Max. PV Input Current	16 A/16 A/16 A	16 A/16 A/16 A	16 A/16 A/16 A	16 A/16 A/16 A
Max. PV Input Voltage	1000 V	1000 V	1000 V	1000 V
MPPT Number/Max. Input Strings Number per MPPT	3 / 1	3 / 1	3 / 1	3 / 1
MPPT Voltage Range	140 ~ 950 V	140 ~ 950 V	140 ~ 950 V	140 ~ 950 V
Max. PV Short-Circuit Current	24 A/24 A/24 A	24 A/24 A/24 A	24 A/24 A/24 A	24 A/24 A/24 A
Max. Charging/Discharging Current	40 A	40 A	40 A	40 A
Max. Charging/Discharging Power	4 kW	6 kW	8 kW	10 kW
Rated Frequency	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz	50 / 60 Hz
Rated Voltage	380 V	380 V	380 V	380 V
Rated Output Apparent Power (Grid Port)	4 kW	6 kW	8 kW	10 kW
Rated Output Apparent Power (Backup Port)	4 kVA	6 kVA	8 kVA	10 kVA
Backup	UPS	UPS	UPS	UPS
Communication	WiFi / LAN / RS485			
Relative Humidity	0~90% (Non-Condensing)			
Dimensions (W x D x H)	610 x 212.5 x 416 mm			
Weight	26.7 kg			
Safety	IEC 62109-1/-2			
EMC	IEC 61000-6-1/-3			
Overvoltage Category	DC II			
Grid Regulation	VDE-AR-N 4105: 2018-11, EN 50549-1: 2019			

Battery Technical Specifications	
Module Mode	SMILE-G3-BAT-3.8S
Capacity	3.8 kWh
Usable Capacity	3.6 kWh
Depth of Discharge (DoD)	95%*
Nominal Voltage	96 V
Max. Charging/Discharging Current	40 A
Operating Temperature Range	-10 °C ~ +50 °C**
Cycle Life	8000***
Battery Modules Connection	2 ~ 6 in series
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

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

*** Under specific test conditions



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