

● YOUR
● SMART
● ENERGY



SMILE5

RESIDENTIAL SERIES

CAPACITY ▶

10.1 / 13.3 kWh modular
expandable to 80 kWh



Best Seller

VPP Ready

UPS Ability

Modular Design

High Compatibility

24/7 Online Monitor

Safe and Reliable(LFP ONLY)

Easy Installation and Expansion

Classic Black & White Design

SMILE5



Model		SMILE5	
System Specification			
Nominal Output Power	5000 W		
Capacity Range	10.1 ~ 60.6 kWh (96% DoD)	13.3 ~ 80.0 kWh (100% DoD)	
Usable Capacity Range	9.7 ~ 58.1 kWh	13.3 ~ 80.0 kWh	
Battery Chemistry	LFP (LiFePO4)		
IP Protection	IP65 (Outdoor)		
Warranty	5 Year Product Warranty, 10 Year Battery Performance Warranty		

Inverter Technical Specification			
Model	SMILE5-INV	Rated Frequency	50 / 60 Hz
Max. PV Input Power	2 x 3300 W	Phase	Single-Phase
Max. PV Input Current	2 x 12 A	Backup	UPS
Max. PV Input Voltage	580 V	Display	LCD
MPPT Number	2	Communication	Ethernet / WIFI
MPPT Voltage Range	125 ~ 550 V	Start Up DC Voltage	125 V
Max. PV Short-circuit Current	2 x 15 A	Relative Humidity	15% ~ 85% (No Condensing)
Max. Charging/Discharging Current	100 A	Dimension (W x D x H)	610 x 210 x 627 mm
Max. Charging/Discharging Power	5000 W	Weight	35 kg
Rated Voltage	230 V	EMC	EN 61000-6-1/2/3/4
Safety	IEC 62109-1&-2, IEC 62477-1, IEC 62040.1.1, IEC 62116		
Grid Regulation	VDE-AR-N 4105, VDE 0126-1-1, AS 4777.2/3, CEI 0-21, G99-1, G100, RD 1699, NRS 097-2-1, TOR Erzeuger Typ A		

Battery Technical Specification		
Module Model	SMILE-BAT-10.1P	SMILE-BAT-13.3P
Module Capacity	10.1 kWh	13.3 kWh
Module Nominal Voltage	48 V	48 V
Operating Temperature Range	-10 °C ~ 50 °C*	-10 °C ~ 50 °C*
Max. Modules in Parallel	6	6**
Max. Charging/Discharging Current	100 A	100 A
Cycle Life	8000***	8000***

* When the temperature is below 0 °C or above 40 °C, the performance will be limited

** ≥2 needs to install expansion pack

*** Under specific test conditions



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