

YOUR
SMART
ENERGY



ICONIC SOLAR

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SMILE5

RESIDENTIAL SERIES

CAPACITY ▶

10.3 kWh modular
expandable to 62.1 kWh



5kW single phase hybrid inverter

Fast response

UPS ability

24/7 Monitoring

- S**elf sufficient
- M**odular battery
- I**ntelligent control
- L**ong lifespan
- E**ssential load protected
- 5** kW system

SMILE5



Model	SMILE5
System Specification	
Nominal Output Power	5000 W / 4600 W (DE)
Capacity Range	10.3 ~ 62.1 kWh (90% DoD)
Usable Capacity Range	9.3 ~ 55.8 kWh
Battery Chemistry	LFP (LiFePO4)
IP Protection	IP21 (Indoor) / IP65 (Outdoor)
Warranty	5 Year Product Warranty, 10 Year Battery 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
MPPT Voltage Range	125 ~ 550 V	Start Up DC Voltage	125 V
Max. PV Short-circuit Current	2 x 15 A	Humidity	15% ~ 85% (No Condensing)
Max. Charging/Discharging Current	100 A	Dimension (W x D x H)	610 x 236 x 615 mm
Max. Charging/Discharging Power	5000 W	Weight	60 kg
Rated Voltage	230 V	Safety	IEC 62109-1&-2, IEC 62477-1, IEC 62040.1.1, IEC 62116
Grid Voltage Range	180 ~ 270 V	EMC	EN 61000-6-1/2/3/4
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 D4		

Battery Technical Specification	
Module Model	SMILE-BAT-10.3P
Module Capacity	10.3 kWh
Module Nominal Voltage	51.2 V
Operating Temperature Range	-10 °C ~ 50 °C*
Max. Modules in Parallel	6
Max. Charging/Discharging Current	100 A (0.5C)
Cycle Life	8000

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



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