

● YOUR
● SMART
● ENERGY



SMILE-HV-S5

RESIDENTIAL SERIES

CAPACITY ▶

4.9 kWh modular
expandable to 49.5 kWh



UPS ability

Outdoor / Indoor

Modular design

24/7 Monitoring



SMILE-HV-S5



Model	SMILE-HV-S5	
System Specification		
Nominal Output Power	5000 W	
Capacity Range	4.9 ~ 29.5 kWh (95% DoD)	8.2 ~ 49.5 kWh (95% DoD)
Weight	LFP (LiFePO4)	
IP Protection	IP21 (Indoor) / IP65 (Outdoor)	
Warranty	5 Year Product Warranty, 10 Year Performance Warranty	

Inverter Technical Specification			
Model	SMILE5-HV-INV	Phase	Single-Phase
Max. PV Input Current	2 x 12.5 A	Backup	UPS
Nominal PV Input Voltage	360 V	Display	LCD
MPPT Number	2/1	Communication	LAN / WIFI / 4G
MPPT Voltage Range	100 ~ 550 V	Start Up Voltage	100 V
Max. PV Short-circuit Current	2 x 18.75 A	Humidity	0 ~ 95%
Max. Charging/Discharging Current	40 A	Dimension (W x D x H)	580 x 230 x 440 mm
Rated Voltage	230 V	Weight	30 kg
Grid Voltage Range	180 ~ 270 V	Safety	IEC 62109, IEC 62619, IEC 62040
Rated Frequency	50 / 60 Hz	EMC	EN61000-6-1/-2/-3/-4
Grid Regulation	AS4777, CEI0-21, G99, G100, NRS, EN50549, VDE4105, PEA		

Battery Technical Specification		
Module Model	SMILE-BAT-5P	SMILE-BAT-8.2P
Battery Type	LFP (LiFePO4)	LFP (LiFePO4)
Module Capacity	4.9 kWh	8.2 kWh
Usable Capacity	4.7 kWh	7.8 kWh
Depth of Discharge (DoD)	95%	95%
Nominal Voltage	153.6 V	256 V
Max. Charging/Discharging Current	32 A (1C)	32 A (1C)
Operating Temperature Range	-10 °C ~ 50 °C*	-10 °C ~ 50 °C*
Cycle Life	10000**	10000**
Battery Modules Connection	1 ~ 6 in parallel	1 ~ 6 in parallel

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

** Under specific test conditions



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