

● YOUR
● SMART
● ENERGY



SMILE-S6-HV

RESIDENTIAL SERIES

CAPACITY ▶

8.2 kWh modular
expandable to 49.5 kWh



UPS ability

Outdoor / Indoor

Modular design

24/7 Monitoring



SMILE-S6-HV



Model	SMILE-S6-HV
System Specification	
Nominal Output Power	6000 W
Capacity Range	8.2 ~ 49.5 kWh (95% DoD)
Battery Chemistry	LFP (LiFePO4)
IP Protection	IP65 (Outdoor)
Warranty	5 Year Product Warranty, 10 Year Performance Warranty

Inverter Technical Specification			
Model	SMILE-S6-HV-INV	Rated Voltage	230 V
Max. PV Input Power	9000 W	Phase	Single-Phase
Max. PV Input Current	2 x 15 A	Backup	UPS
MPPT Number	360 V	Communication	Ethernet / WIFI / 4G
MPPT Number/Max. input strings number per MPPT	2/1	Start Up Voltage	100 V
MPPT Voltage Range	100 ~ 550 V	Humidity	0~95% (No Condensing)
Max. PV Short-circuit Current	2 x 18.75 A	Dimension (W x D x H)	580 x 230 x 606 mm
Max. Charging/Discharging Current	40 A	Weight	27 kg
Max. Charging/Discharging Power	6000 W	Safety	IEC 62109, IEC 62619
Rated Frequency	50 / 60 Hz	EMC	EN61000-6-1/-2/-3/-4
Grid Regulation	AS4777, CEI0-21, G99, G100, NRS, EN50549, PEA		

Battery Technical Specification	
Module Model	SMILE-BAT-8.2PH
Module Capacity	8.2 kWh
Usable Capacity	7.8 kWh
Nominal Voltage	256 V
Max. Charging/Discharging Current	38.4 A
Operating Temperature Range	-10 °C ~ 55 °C*
Cycle Life	10000**
Battery Modules Connection	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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