



YOUR
SMART
ENERGY



SMILE-S6-HV

RESIDENTIAL SERIES

POWER

6 kW inverter

CAPACITY

5 / 8.2 kWh Battery modular
Expandable to 49.2 kWh



UPS ability

Modular design

24/7 Monitoring

Diesel generator compatible



SMILE-S6-HV



Model	SMILE-S6-HV		
System Specification			
Nominal Output Power	6000 W		
Capacity Range	5 ~ 30.0 kWh (95% DoD)	8.2 ~ 49.2 kWh (95% DoD)	
Battery Chemistry	LFP (LiFePO4)		
IP Protection	IP65(Outdoor) / IP21(Indoor)		
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	580 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	0~90% (No Condensing)
Max. PV Short-circuit Current	2 x 18.75 A	Dimension (W x D x H)	580 x 230 x 440 mm
Max. Charging/Discharging Current	40 A	Weight	25 kg
Max. Charging/Discharging Power	6000 W	Safety	IEC 62109, IEC 62040
Rated Frequency	50 / 60 Hz	EMC	EN61000-6-1/-2/-3/-4
Grid Regulation	VDE-AR-N 4105, EN 50549, CEI 0-21, G99, G100, TOR Erzeuger, AS4777.2, PEA		
Battery Technical Specification			
Module Model	SMILE-BAT-5PH	SMILE-BAT-8.2PH	
Module Capacity	5.0 kWh	8.2 kWh	
Usable Capacity	4.8 kWh	7.8 kWh	
Nominal Voltage	153.6 V	256 V	
Max. Charging/Discharging Current	32 A	32 A	
Operating Temperature Range	-10 °C ~ 55 °C*	-10 °C ~ 55 °C*	
Cycle Life	10000**		
Battery Modules Connection	1 ~ 6 in parallel		

* When the ambient temperature is too low or too high, the performance of battery may be limited.

** Under specific test conditions



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