

• YOUR  
• SMART  
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# SMILE-S6-HV

RESIDENTIAL SERIES

CAPACITY ►

5 / 8.2 kWh modular  
expandable to 49.2 kWh



UPS ability

Modular design

24/7 Monitoring

Diesel generator compatible



# SMILE-S6-HV



Model		SMILE-S6-HV	
<b>System Specification</b>			
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)		
Warranty	5 Year Product Warranty, 10 Year Performance Warranty		
<b>Inverter Technical Specification</b>			
Max. PV Input Power	8000 W	Rated AC Voltage / Current	230 V / 26A
Max. PV Input Current	2 x 12.5 A	Rated AC Output Power	6000VA
Max DC Voltage	580 V	UPS Output Power	5000VA
Min DC (Start-Up) Voltage	100V	Communication	Ethernet / WIFI / 4G
MPPT Number/Max. input strings number per MPPT	2/1	Efficiency	96%
MPPT Voltage Range	100 ~ 550 V	Humidity	0~90% (No Condensing)
Max. MPPT 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	AS4777.2, CEI0-21, G99, G100, NRS 097, EN50549, PEA		
<b>Battery Technical Specification</b>			
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		
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

Made in China



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