

YOUR  
SMART  
ENERGY



# SMILE-S6-HV

RESIDENTIAL SERIES

**CAPACITY** ▶

5 kWh modular  
expandable to 49.2 kWh



UPS ability

Outdoor / Indoor

Modular design

24/7 Monitoring



# SMILE-S6-HV



<b>Model</b>	<b>SMILE-S6-HV</b>	
<b>System Specification</b>		
<b>Nominal Output Power</b>	6000 W	
<b>Capacity Range</b>	5 ~ 30.0 kWh (95% DoD)	8.2 ~ 49.2 kWh (95% DoD)
<b>Battery Chemistry</b>	LFP (LiFePO4)	
<b>IP Protection</b>	IP65 (Outdoor)	
<b>Warranty</b>	5 Year Product Warranty, 10 Year Performance Warranty	

<b>Inverter Technical Specification</b>			
<b>Model</b>	SMILE-S6-HV-INV	<b>Phase</b>	Single-Phase
<b>Max. PV Input Power</b>	9000 W	<b>Backup</b>	UPS
<b>Max. PV Input Current</b>	2 x 15 A	<b>Communication</b>	Ethernet / WIFI / 4G
<b>Max. PV Input Voltage</b>	580 V	<b>Start Up DC Voltage</b>	100 V
<b>MPPT Number/Max. input strings number per MPPT</b>	2/1	<b>Maximum Efficiency</b>	98%
<b>MPPT Voltage Range</b>	100 ~ 550 V	<b>Maximum Altitude</b>	3000 m
<b>Max. PV Short-circuit Current</b>	2 x 18.75 A	<b>Humidity</b>	0~90% (No Condensing)
<b>Max. Charging/Discharging Current</b>	40 A	<b>Dimension (W x D x H)</b>	580 x 230 x 440 mm
<b>Rated Voltage</b>	230 V	<b>Weight</b>	25 kg
<b>Rated Power</b>	6000 VA	<b>Safety</b>	IEC 62109, IEC 62040
<b>Rated Frequency</b>	50 / 60 Hz	<b>EMC</b>	EN61000-6-1/-2/-3/-4
<b>Grid Regulation</b>	AS4777.2, CEI0-21, G99, G100, NRS 097, EN50549, PEA		

<b>Battery Technical Specification</b>		
<b>Module Model</b>	SMILE-BAT-5PH	SMILE-BAT-8.2PH
<b>Module Capacity</b>	5.0 kWh	8.2 kWh
<b>Usable Capacity</b>	4.8 kWh	7.8 kWh
<b>Nominal Voltage</b>	153.6 V	256 V
<b>Max. Charging/Discharging Current</b>	32 A	32 A
<b>Operating Temperature Range</b>	-10 °C ~ 55 °C*	-10 °C ~ 55 °C*
<b>Cycle Life</b>	10000**	10000**
<b>Battery Modules Connection</b>	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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