

• YOUR
• SMART
• ENERGY



SMILE-S5-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-S5-HV



Model		SMILE-S5-HV	
System Specification			
Nominal Output Power		5000 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	
Inverter Technical Specification			
Max. PV Input Power	8000 W	Rated AC Voltage	230 V
Max. PV Input Current	2 x 12.5 A	Rated AC Output Current	21.7A
Max DC Voltage	580V	Rated/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	
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	
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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