

● YOUR  
● SMART  
● ENERGY



# SMILE-SP9.6

HOME SERIE

**CAPACITY** ▶

8.2 kWh modular  
expandable to 49.2 kWh



UPS ability

Outdoor

Modular design

24/7 Monitoring

# SMILE-SP9.6



Model	SMILE-SP9.6
<b>System Specification</b>	
Nominal Output Power	9600 W
Capacity Range	8.2 ~ 49.2 kWh (95% DoD)
Battery Chemistry	LFP (LiFePO4)
IP Protection	IP65 (Outdoor)
Warranty	10 Year Product Warranty

<b>Inverter Technical Specification</b>			
Model	SMILE-SP9.6-INV	Rated Voltage	211 ~ 264 V @ 240V
Max. PV input power	15 kW	Backup	UPS
Max. PV Input Current	4 x 12.5 A	Communication	RS485 / WIFI / 4G(Optional)
Nominal PV Input Voltage	600 V	Humidity	0 ~ 95%
MPPT Number	4	Dimension (W x D x H)	415 x 175 x 791 mm
MPPT Voltage Range	80 ~ 550 V	Weight	32 kg
Max. PV Short-circuit Current	4 x 15.2 A	Grid Regulation	UL1741, UL9540
Max. Charging/Discharging Current	50 A	Safety	IEEE1547
Rated Frequency	60 Hz		

<b>Battery Technical Specification</b>	
Module Model	SMILE-BAT-8.2PHA
Module Capacity	8.2 kWh
Usable Capacity	7.8 kWh
Depth of Discharge (DoD)	95%
Nominal Voltage	256 V
Max. Charging/Discharging Current	38.4 A
Operating Temperature Range	-10 °C ~ 50 °C*
Cycle Life	10000**
Battery Modules Connection	1 ~ 6 in parallel

<b>Auto transformer Specification</b>	
Rated Voltage	120 / 240 V Split Phase
Max Output Current per phase	40 A
Split Phase Imbalance Current	40 A

\* When the temperature is below 0 °C or above 40 °C, the performance will be limited.  
 \*\* Under specific test conditions

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