

• YOUR  
• SMART  
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# SMILE-S5

RESIDENTIAL SERIES

**CAPACITY** ►

5.04 kWh modular  
expandable to 30.24 kWh



Single phase hybrid inverter

Built-in battery

Modular design

Easy installation and  
low maintenance

24/7 Monitoring

# SMILE-S5



Model	SMILE-S5
<b>System Specification</b>	
Max. AC Output Power	5000 W
Capacity Range	5.04 ~ 30.24 kWh
Battery Chemistry	LFP (LiFePO4)
IP Protection	IP65 (Outdoor)
Warranty	5 Year Product Warranty, can be extended to 10 Years

<b>Inverter Technical Specification</b>			
Model	SMILE-S5-INV	Rated Frequency	50 / 60 Hz
Max. PV Input Power	8000 W	Phase	Single-Phase
Max. PV Input Current	2 x 15 A	Backup	UPS
Nominal PV Input Voltage	330 V	Communication	Ethernet / WIFI
Rated Voltage	120 V	Start Up Voltage	120 V
MPPT Number/ Max. input strings number	2/1	Humidity	0~95% (No Condensing)
MPPT Voltage Range	90 ~ 520 V	Dimension (W x D x H)	640 x 250 x 350 mm
Max. PV Short-circuit Current	2 x 22.5 A	Weight	20 kg
Max. Charging/ Discharging Current	100 A	Safety	IEC 62109, IEC 62477
Max. Charging/ Discharging Power	5000 W	EMC	EN61000-6-1/-2/-3/-4
Grid Regulation	AS4777.2, CEI 0-21, G99, G100, EN50549, RD1699, VDE 0126		

<b>Battery Technical Specification</b>	
Module Model	SMILE-BAT-5P
Module Capacity	5.04 kWh
Usable Capacity	4.79 kWh
Nominal Voltage	48 V
Rated. Charging/Discharging Current	52.5 A
Operating Temperature Range	-10 °C ~ + 50 °C *
Cycle Life	6000
Battery Modules Connection	1 ~ 5 in parallel

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



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