

● YOUR
● SMART
● ENERGY



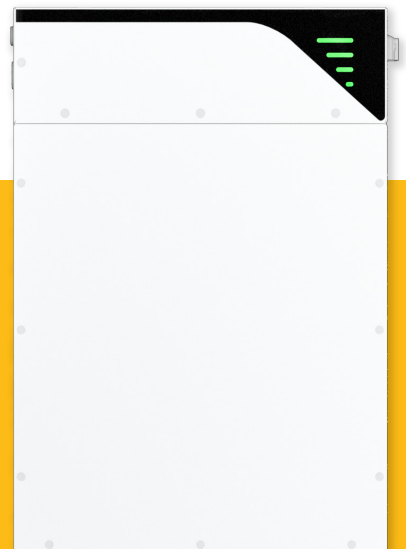
SMILE-SP SERIES

(North America Only)

DC Couple | Split Phase Hybrid ESS | HV Battery

7.6 kW 8.2 kWh / 9.6 kW 8.2 kWh ▼

Expandable to **49.2 kWh** with
8.2 kWh Battery Module



Outdoor

24/7 Monitoring

AFCI & Rapid Shutdown

4 MPPTs

High Efficiency Battery

WIFI Module Integrated

SMILE-SP SERIES



Model	SMILE-SP7.6/9.6	
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System Specification

Nominal Output Power	7600 W	9600 W*
Capacity Range	8.2 kWh (95% DoD)	8.2 kWh (95% DoD)
Battery Chemistry	Li-ion (LFP)	Li-ion (LFP)
Max. PV Input Power	11.5 kW	15 kW
Max. PV Input Current	4 x 12.5 A	4 x 12.5 A
Max. PV Input Voltage	600 V	600 V
MPPT Number	4	4
MPPT Voltage Range	80 ~ 550 V	80 ~ 550 V
Max. PV Short-circuit Current	4 x 15.2 A	4 x 15.2 A
Max. Charging/Discharging Current	50 A	50 A
Rated Voltage	211 to 264 V @240 V	211 to 264 V @240 V
Backup	UPS	UPS
Humidity	0 ~ 95%	0 ~ 95%
Grid Regulation	UL1741	UL1741
Rated Frequency	60 Hz	60 Hz
Communication	WIFI	WIFI
Warranty	10 Year Product Warranty	10 Year Product Warranty

Expansion Battery Module Specification

Module Model	SMILE-BAT-8.2PHA	
Total Energy	8.2 kWh	
Usable Energy	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 **	
Battery Modules Connection	1 ~ 6 in parallel (8.2-49.2kwh)	

Compliance Information

Safety	Cell	UL1973
	Battery Pack	UL1973
	Inverter	IEEE1547
	System	UL 9540
Transport	UN38.3	
Emissions	FCC	
Ingress Rating	Inverter: Type4X, Battery: IP65	

* Under the condition of ambient temperature of 25-35°, when the system is connected to the grid, a single battery module can discharge 9.6kw.

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

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Mechanical Specifications

Inverter	Battery Modules	Transformer
16.3in × 31.1in × 6.9in W*H*D (415mm × 791mm × 175mm)	22.8in × 31.3in × 9.0in W*H*D (580mm × 800mm × 230mm)	13.6in × 10.8in × 1.2in W*H*D (345mm × 274mm × 31mm)
32kg (70.5lb)	81kg (178.7lbs)	22kg (48.5lbs)

- * SMILE-SP Series 7.6kW System contains the following components: 7.6kW hybrid inverter + 8.2kWh battery module + Transformer + Meter
- * SMILE-SP Series 9.6kW System contains the following components: 9.6kW hybrid inverter + 8.2kWh battery module + Transformer + Meter

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