

• YOUR
• SMART
• ENERGY



SMILE-SPB SERIES

(Latin America Only)

AC Coupled | Storage System for Retrofitting installation

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

Whole Home Backup

Micro-grid applications

WIFI Module Integrated

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Model	SMILE-SPB7.6/9.6	
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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. 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	5 Year Product Warranty	5 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-SPB Series 7.6kW System contains the following components: 7.6kW hybrid inverter + 8.2kWh battery module + Transformer + Meter*2
- * SMILE-SPB Series 9.6kW System contains the following components: 9.6kW hybrid inverter + 8.2kWh battery module + Transformer + Meter*2

USA: Alpha ESS USA, Inc.

✉ USA@alpha-ess.com

Headquarter: Alpha ESS Co., Ltd.

☎ +86 513 8060 6891

✉ info@alpha-ess.com

🌐 www.alpha-ess.com

📍 Jiuhua Road 888, Nantong High-Tech Industrial Development Zone, Nantong City, 226300

Alpha ESS Suzhou Co., Ltd.

☎ +86 512 6828 7609

✉ info@alpha-ess.com

🌐 www.alpha-ess.com

📍 Building 10-A, Canal Town Industrial Park, 99 Taihu E Rd, Wuzhong District, Suzhou 215000

Australia: Alpha ESS Australia Pty. Ltd.

☎ +61 402 500 520 (Sales)

+61 1300 968 933 (Technical Support)

✉ australia@alpha-ess.com

🌐 www.alpha-ess.com.au
📍 Unit 1, 2 Ralph Street Alexandria NSW 2015

Germany: Alpha ESS Europe GmbH

☎ +49 6103 4591 601

✉ europe@alpha-ess.de

🌐 www.alpha-ess.de

📍 Paul-Ehrlich-Straße 1a, D-63225 Langen, Hessen

Italy: Alpha ESS Italy S.r.l.

☎ +39 599 239 50

✉ info@alpha-ess.it

🌐 www.alpha-ess.it

📍 Via Loda,17-41013 Castelfranco Emilia (MO)

Korea: Alpha ESS Korea Co., Ltd.

☎ +82 64 721 2004

✉ korea@alpha-ess.com

📍 2F, 19-4, Nohyeong 11-gil, Jeju-si, Jeju-do, Republic of Korea

Singapore: Alpha ESS International Pte. Ltd.

✉ Singapore@alpha-ess.com

📍 2 Corporation Road #01-06A Corporation Place Singapore 618494

UK: Alpha ESS UK Ltd.

✉ uk@alpha-ess.com

📍 Drake House, Long Street, Dursley, g11 4hh