



# CERTIFICATE OF COMPLIANCE

**Certificate Number:** SGSNA/22/SH/00097

**Contract Number:** 800843  
**Certificate Project Number:** SH-CERT220402114

**Certified Product:** Energy Storage System  
**Trademarks:**



**Model(s):** SMILE-SP9.6, SMILE-SP7.6, SMILE-SPB9.6, SMILE-SPB7.6  
**Technical Data:** Marine environments (Severities 2), IP65  
Other ratings see page 2-3

**Certificate Holder:** Alpha ESS Co., Ltd.  
Jiuhua Road 888, High-Tech Industrial Development Zone, Nantong City, 226300,  
Jiangsu, China.

*This certificate supercedes previous certificates issued with the same certificate number. Certification is valid when products are indicated on the SGS directory of certified products at [www.sgs.com](http://www.sgs.com) or using the QR code below. The product is certified according to ISO/IEC Guide 17067, Conformity assessment - Fundamentals of product certification, System 3, and in accordance with:*

ANSI/CAN/UL 9540:2016 First Edition, dated November 21, 2016

Authorized by:

Effective date: 07 June 2022



Jason Wei  
Certifier



#### Certification Body

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**Technical Data:**

**System Model: SMILE-SP9.6**

**1) PCS part:**

Bi-directional Inverter model: SMILE-SP9.6-INV  
 Software Version: EMS: V0.00.14; DSP: V016.191  
 AC side: 240V<sub>ac</sub> (on-grid), 120V/240V (off-grid),  
 40A<sub>max</sub> (discharge/Charge), 9.6kW rated, 60Hz, single phase  
 Battery side: 80-495V<sub>dc</sub>, 50A<sub>max</sub> (discharge/Charge)  
 PV side: 80-550V<sub>dc</sub> (600V<sub>max</sub>), 12.5A<sub>max</sub> \*4  
 - 35 °C to 60 °C, Type 4X

**2) Battery part:**

Battery Model: SMILE-BAT-8.2PHA  
 Software Version: V1.02  
 32Ah, 256V (240~288V), 38.4A<sub>max</sub>, 8.2 kWh<sub>max</sub> lithium battery, 1 ~ 6 in parallel, Charge: 0 °C to 50 °C  
 /Discharge: -10 °C to 50 °C, IP65

**3) Auto-Transformer part:**

Model # SMILE-SP9.6-TX  
 Primary: 240V/60Hz  
 Secondary: 0~120Vac/240Vac, 60Hz, 40Amax, -20~50 °C, Type 4X

**System Model: SMILE-SP7.6**

**1) PCS part:**

Bi-directional Inverter model: SMILE-SP7.6-INV  
 Software Version: EMS: V0.00.14; DSP: V016.191  
 AC side: 240V<sub>ac</sub> (on-grid), 120V/240V (off-grid),  
 31.7A<sub>max</sub> (discharge/Charge), 7.6kW rated, 60Hz, single phase  
 Battery side: 80-495V<sub>dc</sub>, 50A<sub>max</sub> (discharge/Charge)  
 PV side: 80-550V<sub>dc</sub> (600V<sub>max</sub>), 12.5A<sub>max</sub> \*4  
 - 35 °C to 60 °C, Type 4X

**2) Battery part:**

Same as the battery part of SMILE-SP9.6

**3) Auto-Transformer part:**

Same as the Auto-Transformer part of SMILE-SP9.6

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## Technical Data:

### System Model: SMILE-SPB9.6

- 1) **PCS part:**  
 Bi-directional Inverter model: SMILE-SPB9.6-INV  
 Software Version: EMS: V0.00.14; DSP: V016.191  
 AC side: 240V<sub>ac</sub> (on-grid), 120V/240V (off-grid),  
 40A<sub>max</sub> (discharge/Charge), 9.6kW rated, 60Hz, single phase  
 Battery side: 80-495V<sub>dc</sub>, 50A<sub>max</sub> (discharge/Charge)
- 2) **Battery part:**  
 Same as the Battery part of SMILE-SP9.6.
- 3) **Auto-Transformer part:**  
 Same as the Auto-Transformer part of SMILE-SP9.6

### System Model: SMILE-SPB7.6

- 1) **PCS part:**  
 Bi-directional Inverter model: SMILE-SPB7.6-INV  
 Software Version: EMS: V0.00.14; DSP: V016.191  
 AC side: 240V<sub>ac</sub> (on-grid), 120V/240V (off-grid),  
 31.7A<sub>max</sub> (discharge/Charge), 7.6kW rated, 60Hz, single phase  
 Battery side: 80-495V<sub>dc</sub>, 50A<sub>max</sub> (discharge/Charge)
- 2) **Battery part:**  
 Same as the Battery part of SMILE-SPB9.6.
- 3) **Auto-Transformer part:**  
 Same as the Auto-Transformer part of SMILE-SPB9.6

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