



CERTIFICATE OF COMPLIANCE

Certificate Number: SGSNA/21/GZ/00122

Contract Number: 800843
Certificate Project Number: GZ-CERT210503343

Certified Product: Energy Storage System
Trademarks:



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

Certificate Holder: Alpha ESS Co., Ltd.
Jiuhua Road 888, High-Tech Industrial Development Zone, Nantong, 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 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: 02 June 2021



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_{ac} (on-grid), 120V/240V (off-grid), 40A_{max} (discharge/Charge), 9.6kW rated, 60Hz, single phase

Battery side: 80-495V_{dc}, 50A_{max} (discharge/Charge)

PV side: 80-550V_{dc} (600V_{max}), 12.5A_{max} *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_{max}, 8.2 kWh_{max} lithium battery, 1 ~ 2 in parallel, Charge: 0 °C to 50 °C

/Discharge: -10 °C to 50 °C, IP65

3) Auto-Transformer part:

Model # SMILE-SP9.6-TR

Primary: 240V/60Hz

Secondary: 0~120Vac/240Vac, 60Hz, 40Amax,

-20~50C°, 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_{ac} (on-grid), 120V/240V (off-grid), 31.7A_{max} (discharge/Charge), 7.6kW rated, 60Hz, single phase

Battery side: 80-495V_{dc}, 50A_{max} (discharge/Charge)

PV side: 80-550V_{dc} (600V_{max}), 12.5A_{max} *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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