

CERTIFICATE OF COMPLIANCE

Certificate Number: SGSNA/21/SH/00313X

Contract Number: 800923
Certificate Project Number: SH-CERT211103901

Certified Product: Energy Storage System (including Hybrid DC Storage System, Hybrid Storage System, AC-Coupled Storage System and Off Grid Storage System)

Trademarks: GOODWE:
H-DS series: H-DS9600, H-DS8600, H-DS7600, H-DS7000, H-DS6000, H-DS5000
A-ES series: A-ES9600, A-ES8600, A-ES7600, A-ES7000, A-ES6000, A-ES5000
A-BP series: A-BP9600, A-BP8600, A-BP7600, A-BP7000, A-BP6000, A-BP5000
A-IS series: A-IS9600, A-IS8600, A-IS7600, A-IS7000, A-IS6000, A-IS5000
GE:
GEHS series: GEHS9.6-US10, GEHS8.6-US10, GEHS7.6-US10, GEHS7.0-US10, GEHS6.0-US10, GEHS5.0-US10
GECS series: GECS9.6-US10, GECS8.6-US10, GECS7.6-US10, GECS7.0-US10, GECS6.0-US10, GECS5.0-US10

Model(s): See page 2
Technical Data: See page 3-6

Certificate Holder: GoodWe Technologies Co., Ltd.
No.90 Zijin Rd., New District, Suzhou, 215011, 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: 25 November 2021



Jason Wei
Certifier



Certification Body

Consumer and Retail Services, a division of SGS North America Inc.
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Additional Information:

Model Number(s)

H-DS series:

H-DS9600, H-DS8600, H-DS7600, H-DS7000, H-DS6000,
H-DS5000

A-ES series

A-ES9600, A-ES8600, A-ES7600, A-ES7000, A-ES6000,
A-ES5000

A-BP series

A-BP9600, A-BP8600, A-BP7600, A-BP7000, A-BP6000,
A-BP5000

A-IS series

A-IS9600, A-IS8600, A-IS7600, A-IS7000, A-IS6000,
A-IS5000

GEHS series

GEHS9.6-US10, GEHS8.6-US10, GEHS7.6-US10
GEHS7.0-US10, GEHS6.0-US10, GEHS5.0-US10

GECS series

GECS9.6-US10, GECS8.6-US10, GECS7.6-US10
GECS7.0-US10, GECS6.0-US10, GECS5.0-US10

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Additional Information:

Electrical Ratings

H-DS Series: 9600VA/8600VA/7600VA/7000VA/6000VA/5000VA

PCS part:

H-ES Inverter: Model # GW9600H-ES / GW8600H-ES /
 GW7600H-ES / GW7000H-ES / GW6000H-ES / GW5000H-ES
 Software Version: 000013

AC side: 240Vac (on-grid), 120V/240V (off-grid), 40A/35.8A/31.7A/29.2A/25A/20.8A
 (discharge), 40A/40A/38A/35A/30A/25A (Charge), 60Hz, 1 Phase

Battery side: 80-495Vdc, 25Amax*2

PV side: 80-550Vdc (600Vmax), 12.5Amax per mpp (mpp no.=4 and/or 2), -35 °C to 60 °C, Type 4X

Batteries part:

1) Battery Model (Optional 1)

Module Model # SECU-S2.5, High-voltage cabinet,
 model: BCU-S0550, 50Ah, 51.2V (57.6Vmax), 50Amax,
 N=2~8 modules, Charge: 1 °C to 50 °C, Discharge: -20 °C to 50 °C, Type 4X

2) Battery Model (Optional 2)

Model # RESU10H, Type 3R, 63Ah, 9.8kWh_{max}, 350~450V range, 5kWmax, -10 °C to 45 °C, IP55

3) Battery Model (Optional 3)

Module Model # HVL, Nominal voltage: 51.2V, Rated capacity: 78.2Ah, 70A,
 N=3~8 modules, Charge: -10 °C to 50 °C, Discharge: -10 °C to 50 °C, IP55

AC Grid Sync part:

Model # GW1000G-AC
 120V/240Vac, 200Amax, 60Hz, -20 °C to 50 °C, Type 4X

DC Microgrid Sync part:

Model # GW1000G-DC
 600Vdc/40A/15KW max, -20 °C to 50 °C, Type 4X

Isolation-Transformer part:

Model # GW9600G-TF / GW5000G-TF
 Primary: 240V/60Hz
 Secondary: 0~120Vac/240Vac, 60Hz, 42.51A/21.6Amax, -20~50 °C, Type 4X

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H-DS Series: 9600VA/8600VA/7600VA/7000VA/6000VA/5000VA

Auto-Transformer part:

Model # GW9600A-TX
 Primary: 240V/60Hz
 Secondary: 0~120Vac/240Vac, 60Hz, 20.8Amax, -20~50°C, Type 4X

Modular Energy Controller part:

Model # GW1000G-EC
 Input Voltage 250V-600V, Output Voltage 12V, -20~50°C, Type 4X

PV Aux power part:

Model # GW1000G-PV
 Input Voltage Range 254~780Vdc, 0.4A
 Output Voltage 12V, 5A, 60W, -20~50°C, Type 4X

A-ES Series: 9600VA/8600VA/7600VA/7000VA/6000VA/5000VA

PCS part:

A-ES Inverter: Model # GW9600A-ES / GW8600A-ES /
 GW7600A-ES / GW7000A-ES / GW6000A-ES / GW5000A-ES
 Software Version: 000013
 AC side: 240Vac (on-grid), 120V/240V (off-grid), 40A/35.8A/31.7A/29.2A/25A/20.8A
 (discharge), 40A/40A/38A/35A/30A/25A (Charge), 60Hz, 1 Phase
 Battery side: 80-495Vdc, 50Amax
 PV side: 80-550Vdc(600Vmax), 12.5Amax per mpp (mpp no.=4 and/or 2), -35 °C to 60 °C, Type 4X

Batteries part:

Same as the battery part of H-DS Series, additional battery:
 Model RESU 16H Prime, 64.1Ah, 16.45kWh_{max}, 420~450V charge voltage range, 350~410V discharge
 voltage range, 4.935kW_{rated}, Charge: -10 °C to 50 °C, Discharge: -20 °C to 50 °C, IP55. Model RESU 10H
 Prime, 64.1Ah, 9.87kWh_{max}, 420~450V charge voltage range, 350~410V discharge voltage range,
 2.961kW_{rated}, Charge: -10 °C to 50 °C, Discharge: -20 °C to 50 °C, IP55
 (Allow parallel two battery)

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Electrical Ratings

A-BP Series: 9600VA/8600VA/7600VA/7000VA/6000VA/5000VA

PCS part:

A-BP Inverter: Model # GW9600A-BP / GW8600A-BP /
 GW7600A-BP / GW7000A-BP / GW6000A-BP / GW5000A-BP
 Software Version: 000013
 AC side: 240Vac (on-grid), 120V/240V (off-grid), 40A/35.8A/31.7A/29.2A/25A/20.8A
 (discharge), 40A/40A/38A/35A/30A/25A (Charge), 60Hz, 1 Phase
 Battery side: 80-495Vdc, 50Amax, - 35 °C to 60 °C, Type 4X

Batteries part:

Same as the battery part of H-DS Series, additional battery:
 Model RESU 16H Prime, 64.1Ah, 16.45kWh_{max}, 420~450V charge voltage range, 350~410V discharge
 voltage range, 4.935kW_{rated}, Charge: -10 °C to 50 °C, Discharge: -20 °C to 50 °C, IP55. Model RESU 10H
 Prime, 64.1Ah, 9.87kWh_{max}, 420~450V charge voltage range, 350~410V discharge voltage range,
 2.961kW_{rated}, Charge: -10 °C to 50 °C, Discharge: -20 °C to 50 °C, IP55

A-IS Series: 9600VA/8600VA/7600VA/7000VA/6000VA/5000VA

PCS part:

A-IS Inverter: Model # GW9600A-IS / GW8600A-IS /
 GW7600A-IS / GW7000A-IS / GW6000A-IS / GW5000A-IS
 Software Version: 000013
 AC side: 120V/240V (off-grid), 40A/35.8A/31.7A/29.2A/25A/20.8A, 60Hz, 1 Phase
 Battery side: 80-495Vdc, 50Amax
 PV side: 80-550Vdc(600Vmax), 12.5Amax per mpp (mpp no.=4 and/or 2), - 35 °C to 60 °C, Type 4X

Batteries part:

- 1) Battery Model (Optional 1)
 Module Model # SECU-S2.5, High-voltage cabinet,
 model: BCU-S0550, 50Ah, 51.2V (57.6Vmax), 50Amax,
 N=2~8 modules, Charge: 1 °C to 50 °C, Discharge: -20 °C to 50 °C, Type 4X
- 2) Battery Model (Optional 2)
 Model # RESU10H, Type 3R, 63Ah, 9.8kWh_{max}, 350~450V range, 5kWmax, -10 °C to 45 °C, IP55
- 3) Battery Model (Optional 3)
 Module Model # HVL, Nominal voltage: 51.2V, Rated capacity: 78.2Ah, 70A,
 N=3~8 modules, Charge: -10 °C to 50 °C, Discharge: -10 °C to 50 °C, IP55

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Electrical Ratings

GEHS Series: 9600VA/8600VA/7600VA/7000VA/6000VA/5000VA

PCS part:

GEH Inverter: Model # GEH9.6-1U-US10, GEH8.6-1U-US10, GEH7.6-1U-US10, GEH7.0-1U-US10, GEH6.0-1U-US10, GEH5.0-1U-US10
 Software Version: 000013
 AC side: 240Vac (on-grid), 120V/240V (off-grid), 40A/35.8A/31.7A/29.2A/25A/20.8A (discharge), 40A/40A/38A/35A/30A/25A (Charge), 60Hz, 1 Phase
 Battery side: 80-495Vdc, 50Amax
 PV side: 80-550Vdc(600Vmax), 12.5Amax per mpp (mpp no.=4 and/or 2), - 35 °C to 60 °C, Type 4X

Batteries part:

Same as the battery part of H-DS Series, additional battery:
 Model RESU 16H Prime, 64.1Ah, 16.45kWh_{max}, 420~450V charge voltage range, 350~410V discharge voltage range, 4.935kW_{rated}, Charge: -10 °C to 50 °C, Discharge: -20 °C to 50 °C, IP55. Model RESU 10H Prime, 64.1Ah, 9.87kWh_{max}, 420~450V charge voltage range, 350~410V discharge voltage range, 2.961kW_{rated}, Charge: -10 °C to 50 °C, Discharge: -20 °C to 50 °C, IP55

GECS Series: 9600VA/8600VA/7600VA/7000VA/6000VA/5000VA

PCS part:

GEC Inverter: Model # GEC9.6-1U-US10, GEC8.6-1U-US10, GEC7.6-1U-US10, GEC7.0-1U-US10, GEC6.0-1U-US10, GEC5.0-1U-US10
 Software Version: 000013
 AC side: 240Vac (on-grid), 120V/240V (off-grid), 40A/35.8A/31.7A/29.2A/25A/20.8A (discharge), 40A/40A/38A/35A/30A/25A (Charge), 60Hz, 1 Phase
 Battery side: 80-495Vdc, 50Amax, - 35 °C to 60 °C, Type 4X

Batteries part:

Same as the battery part of H-DS Series, additional battery:
 Model RESU 16H Prime, 64.1Ah, 16.45kWh_{max}, 420~450V charge voltage range, 350~410V discharge voltage range, 4.935kW_{rated}, Charge: -10 °C to 50 °C, Discharge: -20 °C to 50 °C, IP55. Model RESU 10H Prime, 64.1Ah, 9.87kWh_{max}, 420~450V charge voltage range, 350~410V discharge voltage range, 2.961kW_{rated}, Charge: -10 °C to 50 °C, Discharge: -20 °C to 50 °C, IP55

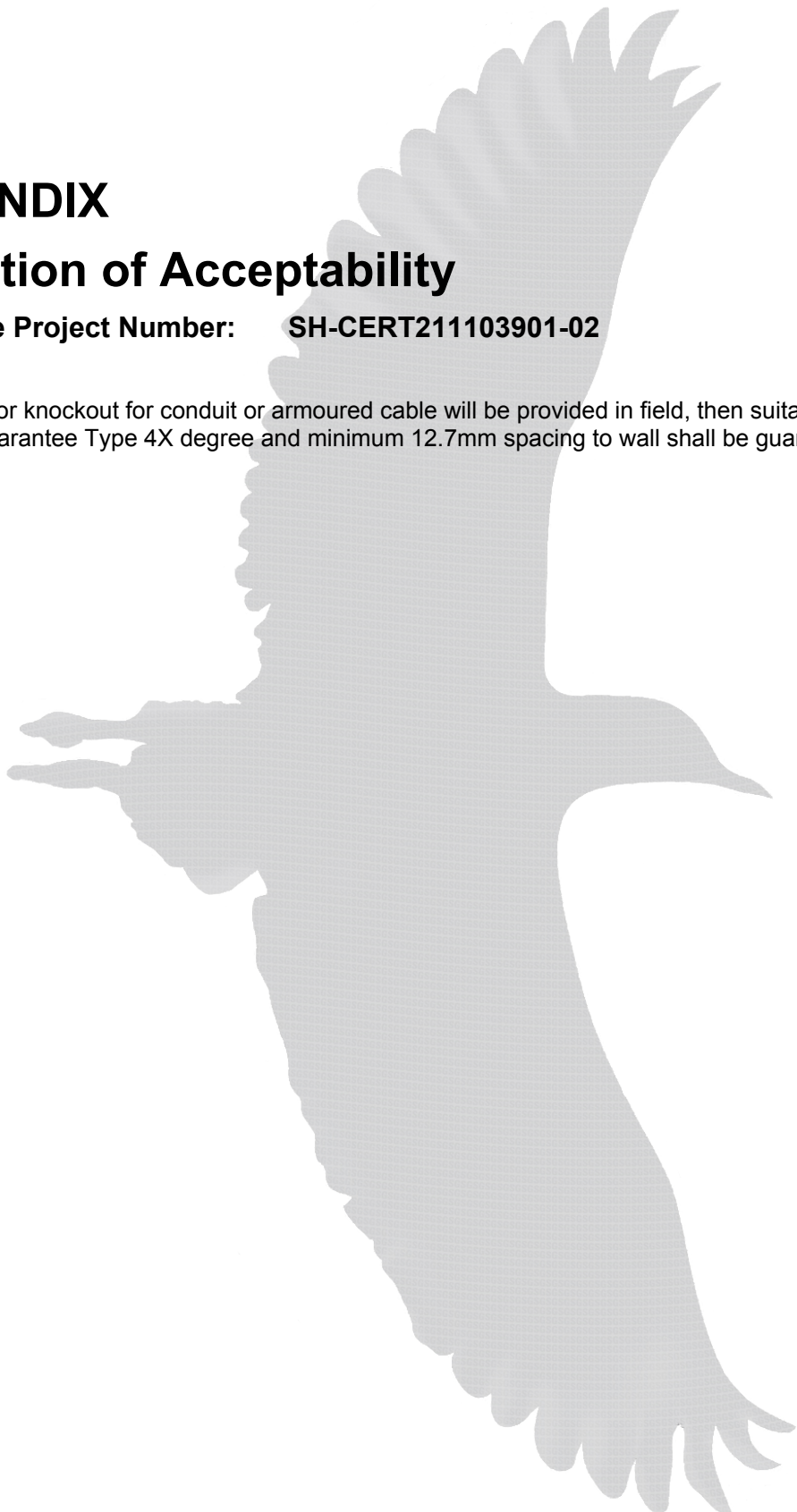
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APPENDIX

Condition of Acceptability

Certificate Project Number: **SH-CERT211103901-02**

Opening and/or knockout for conduit or armoured cable will be provided in field, then suitable conduit hubs shall be used to guarantee Type 4X degree and minimum 12.7mm spacing to wall shall be guaranteed.



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