

Certificate Number: AZ 69025921

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CERTIFICATE OF SUITABILITY

Authorised marking: TUV025921E

This is to certify that TÜV Rheinland Australia Pty Ltd as accredited by JAS-ANZ in accordance with ISO/IEC 17065 has examined for compliance with certification standards, the electrical equipment described hereunder and authorises the certificate holder to affix the above mentioned mark to products of the same type; or the Regulatory Compliance Mark (RCM) provided that the requirements of all relevant parts of AS/NZS 4417 applicable to the article are fulfilled

CERTIFICATE HOLDER:

GoodWe Technologies Co., Ltd.
No.90 Zijin Rd., New District
215011 Suzhou
P.R. China

DESCRIPTION OF EQUIPMENT

Declared class:

Non-declared

Product:

Hybrid Inverter

Trade Name / Manufacturer:

GOODWE

Model Number:

GW5048D-ES , GW3648D-ES ,
GW5048C-ES , GW3648C-ES

Ratings:

Rating details refer to CONTINUATION SHEET 1-2
Remark: Models GW3648D-ES & GW5048D-ES: without dc isolator fitted for PV input port;
Models GW3648C-ES & GW5048C-ES: with dc isolator fitted for PV input port;

Standard:

AS/NZS 4777.2:2020+A1
IEC 62109-1:2010
IEC 62109-2:2011

Issue Date:

22/03/2022

Expiry Date:

22/03/2027

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd

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Grant Li



Acc. No. Z2870404AA
www.jas-anz.org/register

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CONTINUATION SHEET 1

DESCRIPTION OF EQUIPMENT

Ratings:

For all models:

Protection: Class I, IP65, PD 2 Internal; PD 3 External

Operating Temp.: -25°C to 60°C

Overvoltage Category (OVC): Battery side: II; PV side: II;

Grid side: III

PV input:

Vmax: 580Vdc

Isc: 13.8A/13.8A

VMPP : 125 – 550 Vdc

Imax: 11A/11A

Battery Input:

Type: Li-ion

Rated / Max Voltage: 48 / 60Vdc

Voltage: 40 - 60Vd.c.,

Max charge / discharge current: 100 / 100 A for model

GW5040C-ES and GW5040D-ES.

Max charge / discharge current: 75 / 75 A for model

GW3648C-ES and GW3648D-ES.

Issue Date: 22/03/2022

Expiry Date: 22/03/2027

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CONTINUATION SHEET 2

DESCRIPTION OF EQUIPMENT

Ratings:

AC output for GW5048D-ES and GW5048C-ES

Rated Output voltage: 230V

Rated frequency: 50/60Hz,

Rated / Max Output apparent power: 5.0 kVA

Rated / Max output current: 24.5 A

Back-up Max current: 20 A

Back-up rate dapparent power: 4.6 kVA

Power factor: Default > 0.99; 0.8 leading to 0.8 lagging

AC output for GW3648D-ES and GW3648C-ES

Rated Output voltage: 230V

Rated frequency: 50/60Hz,

Rated / Max Output apparent power: 3.68 kVA

Rated / Max output current: 16 A

Back-up Max current: 16 A

Back-up rate dapparent power: 3.68 kVA

Power factor: Default > 0.99; 0.8 leading to 0.8 lagging

Issue Date: 22/03/2022

Expiry Date: 22/03/2027

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CONTINUATION SHEET 3

(Modification 1)

1. Increase I_{max} of PV input from 11/11A to 14/14A
2. Increase the I_{sc} of PV input from 13.8/13.8A to 17.5/17.5A,
3. Change MPP Full Power Voltage Range from 170 – 500V to 140 – 500Vdc for Model GW3648C and GW3648D-ES
4. Change MPP Full Power Voltage Range from 215 – 500V to 190 – 500Vdc for Model GW5048C and GW5048D-ES
5. Update the firmware version number.

Issue Date: 13/04/2022

Expiry Date: 22/03/2027

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd

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