

Certificate Number: AZ 69026320

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CERTIFICATE OF SUITABILITY

Authorised marking: TUV-026320-E

TÜV Rheinland Australia Pty Ltd "Electrical Product Safety Certification (EPSC) Scheme", accredited by JAS-ANZ in accordance with ISO/IEC 17065, has issued this certificate under JAS-ANZ accreditation. The electrical equipment described hereunder has been evaluated and found to be electrically safe at the time of certification and met the minimum safety requirements contained in Australian Standard AS/NZS 3820 as of current. It is a requirement that all equipment supplied under this certificate shall be identical to the equipment as certified. The certificate holder may affix the above mentioned authorised marking on the product.

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:

GW3000-ES-20 , GW5000-ES-20 , GW6000M-ES-20 ,
GW6000-ES-20 , GW3600M-ES-20 , GW3600-ES-20 ,
GW5000M-ES-20

Ratings:

Rating details refer to CONTINUATION SHEET 1-5

Standard:

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

Issue Date:

22/08/2022

Expiry Date:

22/09/2027

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd

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Grant Li



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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 (>45°C derating)

Overvoltage Category (OVC): PV and Battery sides: II;

Grid side: III

For models: GW3000-ES-20

PV input:

Vmax: 600Vdc

VMPP : 60 - 550Vdc

Isc: 23A

Imax: 16A

Battery input:

Battery type: Li-ion

Vmax: 60Vdc

Voltage range: 40 - 60Vdc

Max charge/discharge current: 60/60A

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CONTINUATION SHEET 2

DESCRIPTION OF EQUIPMENT

Ratings:

AC output (on grid):

Rated Output voltage: L/N/PE, 230V

Rated frequency: 50Hz,

Max / Rated Output Apparent power: 3kVA

Max / Rated Output Power: 3kW

Max / Rated Output current: 13.6A

Power factor: 0.80 leading, 0.80 lagging

AC output (back-up):

Rated Output voltage: L/N/PE, 230V

Rated frequency: 50Hz

Max/Rated Output Apparent power: 3kVA

Max Output current: 13.6A

For models: GW5000-ES-20, GW6000M-ES-20, GW6000-ES-20

PV input:

Vmax: 600Vdc

VMPP : 60 - 550Vdc

Isc: 23/23A

Imax: 16/16A

Issue Date: 22/08/2022

Expiry Date: 22/08/2027

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CONTINUATION SHEET 3

DESCRIPTION OF EQUIPMENT

Ratings:

Battery input:

Battery type: Li-ion

Vmax: 60Vdc

Voltage range: 40 - 60Vdc

Max charge/discharge current: 120/120A, 60/60A, 120/120A

AC output (on grid):

Rated Output voltage: L/N/PE, 230V

Rated frequency: 50Hz

Max / Rated Output Apparent power: 5, 6, 6kVA

Max / Rated Output Power: 5, 6, 6kW

Max / Rated Output current: 22.7, 27.3, 27.3A

Power factor: 0.80 leading, 0.80 lagging

AC output (back-up):

Rated Output voltage: L/N/PE, 230V

Rated frequency: 50Hz

Max/Rated Output Apparent power: 5, 6, 6kVA

Max Output current: 22.7, 27.3, 27.3A

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CONTINUATION SHEET 4

DESCRIPTION OF EQUIPMENT

Ratings:

For models: GW3600M-ES-20, GW3600-ES-20, GW5000M-ES-20

PV input:

Vmax: 600Vdc

VMPP : 60 - 550Vdc

Isc: 23/23A

Imax: 16/16A

Battery input:

Battery type: Li-ion

Vmax: 60Vdc

Voltage range: 40 - 60Vdc

Max charge/discharge current: 60/60A, 75/75A, 60/60A,

AC output (on grid):

Rated Output voltage: L/N/PE, 230V

Rated frequency: 50Hz

Max / Rated Output Apparent power: 3.68, 3.68, 5kVA

Max / Rated Output Power: 3.68, 3.68, 5kW

Max / Rated Output current: 16.7, 16.7, 22.7A

Power factor: 0.80 leading, 0.80 lagging

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CONTINUATION SHEET 5

DESCRIPTION OF EQUIPMENT

Ratings:

AC output (back-up):

Rated Output voltage: L/N/PE, 230V

Rated frequency: 50Hz

Max/Rated Output Apparent power: 3.68, 3.68, 5kVA

Max Output current: 16.7, 16.7, 22.7A

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Expiry Date: 22/08/2027

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