

Certificate Number: AZ 69028473

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CERTIFICATE OF SUITABILITY

Authorised marking: TUV-028473-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, and certifies that the electrical equipment described hereunder has been evaluated and complied with the standard(s) listed below in accordance with the scheme herein at the time of certification. It is a requirement that all equipment supplied under this certificate shall be identical to the equipment as certified. The certificate holder shall use the Regulatory Compliance Mark (RCM) provided all the requirements of AS/NZS 4417.1 & AS/NZS 4417.2 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:

Grid-connected PV Inverter

Trade Name / Manufacturer:

GOODWE

Model Number:

GW5000-SDT-AU30, GW6000-SDT-AU30, GW8000-SDT-AU30,
GW9990-SDT-AU30, GW15K-SDT-AU30, GW20K-SDT-AU30,
GW25K-SDT-AU30, GW29K9-SDT-AU30

Ratings:

Ratings refer to Continuation Sheet 1 & 3 for details

Standard:

AS/NZS 4777.2:2020 Amd 2:2024
IEC 62109-1:2010
IEC 62109-2:2011

Issue Date:

07/04/2025

Expiry Date:

07/04/2030

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd

A handwritten signature in blue ink, appearing to read "John Wang".

John Wang



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CONTINUATION SHEET 1

Description of Equipment

For all models:

Protection: Class I, IP66, PD 3 (External), PD 2 (Internal)

Operating Temp.: -30°C to + 60°C (derating at +45°C)

Overvoltage Category (OVC): DC II / AC III

Inverter topology: Non-Isolated

Software version: V1.00.00

For Models: GW5000-SDT-AU30, GW6000-SDT-AU30, GW8000-SDT-AU30

PV input:

VDCmax: 1100Vdc

MPP Full Power Voltage Range [Vdc]: 150-850Vd.c., 150-850Vd.c.,
150-850Vd.c.

MPP Voltage Range VMPP [Vdc]: 140-950 Vd.c.

ISC PV: 23/23/23Ad.c., 23/23/23Ad.c., 45/23/23Ad.c

IDCmax: 16/16/16Ad.c., 16/16/16Ad.c., 32/16/16Ad.c.

AC output:

Rated Output voltage: 3L/N/PE or 3L/PE, 230/400

Rated frequency: 50/60 Hz

Max Output Apparent power: 5000, 6000, 8000VA

Rated Output Apparent power: 5000, 6000, 8000VA

Rated Output Power: 5000, 6000, 8000W

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CONTINUATION SHEET 2

Description of Equipment

Max Output Current: 7.3, 8.7, 11.6Aa.c.

Rated Output Current [Aa.c.]: 7.3, 8.7, 11.6Aa.c.

Power factor: ~1(Adjustable from 0.8 leading to 0.8 lagging)

For Models: GW9990-SDT-AU30, GW15K-SDT-AU30, GW20K-SDT-AU30

Ratings:

PV input:

VDCmax: 1100Vdc

MPP Full Power Voltage Range [Vdc]: 180-850Vd.c.,
210-850Vd.c., 300-850Vd.c.

MPP Voltage Range VMPP [Vdc]: 140-950 Vd.c.

ISC PV: 45/23/23Ad.c., 45/45/23Ad.c., 45/45/23Ad.c.

IDCmax: 32/16/16Ad.c., 32/32/16Ad.c., 32/32/16Ad.c.

AC output:

Rated Output voltage: 3L/N/PE or 3L/PE, 230/400Va.c.

Rated frequency: 50/60 Hz

Max Output Apparent power: 9990,15000, 20000VA

Rated Output Apparent power: 9990,15000, 20000VA

Rated Output Power: 9990,15000, 20000W

Max Output Current: 14.5, 21.8, 29.0Aa.c.

Rated Output Current [Aa.c.]: 14.5, 21.8, 29.0Aa.c.

Power factor: ~1(Adjustable from 0.8 leading to 0.8 lagging)

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CONTINUATION SHEET 3

Description of Equipment

For Models: GW25K-SDT-AU30, GW29K9-SDT-AU30

Ratings:

PV input:

VDCmax: 1100Vd.c.

Vmpt: 400-850Vd.c., 400-850Vd.c.

MPP Voltage Range VMPP [Vdc]: 140-950 Vd.c.

ISC PV: 56/56/56Ad.c., 56/56/56Ad.c.

IDCmax: 40/40/40Ad.c., 40/40/40Ad.c.

AC output:

Rated Output voltage: 3L/N/PE or 3L/PE, 220/380, 230/400, 240/415

Rated frequency: 50/60 Hz

Max Output Apparent power: 25000, 29990VA

Rated Output Apparent power: 25000, 29990VA

Rated Output Power: 25000, 29990W

Max Output Current: 37.9, 45.5Aa.c.

Rated Output Current [Aa.c.]: 36.3@400Va.c., 43.5@400Va.c.

Power factor: 1 (Default), [-0.80, +0.80]

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