

CERTIFICATE OF CONFORMITY

Issued to: GoodWe Technologies Co., Ltd.
No. 90 Zijin Rd., New District, Suzhou, 215011, China

For the product: Grid-Tied PV Inverter

Trade name: **GOODWE**

Type/Model: GW50K-SDT-C30, GW30KLV-SDT-C30

Ratings: See Annex

Manufactured by: GoodWe Technologies Co., Ltd.
No. 90 Zijin Rd., New District, Suzhou, 215011, China

Requirements: IEC 63027:2023

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 6205521.50

The examination has been carried out on one single specimen of the product. The certificate does not include an assessment of the minilecture's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

This Test Certificate expires at the latest on 2030-03-25 or expires upon withdrawal of one of the above mentioned standards.

Shanghai, 2025-03-25

Number: 6205521.01COC

DEKRA Testing and Certification (Shanghai) Ltd.



Cliff Lin
Certification Manager

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Specifications table:

Technical Data	GW30KLV-SDT-C30	GW50K-SDT-C30
Input		
Max. Input Power (W)	60000	90000
Max. Input Voltage (V)	850	1100
MPPT Operating Voltage Range (V)	140 ~ 700	140 ~ 1000
MPPT Voltage Range at Nominal Power (V)	350~600	450~850
Start-up Voltage (V)	160	160
Nominal Input Voltage (V)	420	600
Max. Input Current per MPPT (A)	40	40
Max. Short Circuit Current per MPPT (A)	52	52
Number of MPP Trackers	4	4
Number of Strings per MPPT	2	2
Output		
Nominal Output Power (W)	30000	50000
Nominal Output Apparent Power (VA)	30000	50000
Max. AC Active Power (W)	30000	50000
Max. AC Apparent Power (VA)	30000	50000
Nominal Power at 40°C (W)	30000	50000
Max. Power at 40°C (Including AC Overload) (W)	30000	50000
Nominal Output Voltage (V)	127/220, 3L/N/PE or 3L/PE	220/380, 230/400, 240/415, 3L/N/PE or 3L/PE
Output Voltage Range (V)	114~139 (according to local standard)	180~280 (according to local standard)
Nominal AC Grid Frequency (Hz)	60	50/60
AC Grid Frequency Range (Hz)	59.5~60.2	45~55/55~65
Max. Output Current (A)	78.8	75.7 @380Vac 72.4 @400Vac 69.4 @415Vac
Nominal Output Current (A)	78.8	75.7 @380Vac 72.4 @400Vac 69.4 @415Vac
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)	~1 (Adjustable from 0.8 leading to 0.8 lagging)
Max. Total Harmonic Distortion	<3%	<3%

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AFCI Configuration:

Inverter parameters:	GW50K-SDT-C30	GW30KLV-SDT-C30	--
I_{max} mpp per input port (maximum operating PV input current per input port).	20	20	A
I_{max} mpp per MPP Tracker (maximum current per MPP-Tracker)	40	40	A
I_{max} per channel	40	40	A
V_{max} OC PV (maximum rated PV input voltage)	1100	850	V
V_{min} mpp PV (minimum rated MPP PV input voltage)	140	140	V
Classification according to Clause 4:	F-I-AFPE-1-4-2	F-I-AFPE-1-4-2	--
Note: F-I-AFPE-1-4-2 – Full coverage – Integrated – AFPE – 1 monitored string per input port – 4 input ports per channel – 2 monitored channels.			

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