

CERTIFICATE of Conformity



Registration No.: AK 50540850 0001

Report No.: CN226Q2Z 001

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

Product: PV-Inverter
(Grid-Connected PV Inverter)

Identification: Type Designation: GW8000-SDT-20 GW10K-SDT-20 GW12K-SDT-20
GW15K-SDT-20 GW17K-SDT-20 GW20K-SDT-20
Firmware Version : V1.13.13.13
continued on page 0002

Tested acc. to: RD 1699:2011
RD 661:2007
RD 413:2014
UNE 206006 IN:2011
UNE 217002:2020

The certificate of conformity refers to the above mentioned product. This is to certify that the specimen is in conformity with the assessment requirement mentioned above. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.

Certification Body

Date 28.04.2022



Weichun Li

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

CERTIFICATE of Conformity



Registration No.: AK 50540850 0002

Report No.: CN226Q2Z 001

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

Product: **PV-Inverter**
(Grid-Connected PV Inverter)

Identification: Serial Number : Enginnering Samples
Remark : Compliance with the requiements of
RD 244/2019, Annex I.Refer to test report
CN226Q2Z 001 for details.

Tested acc. to: RD 1699:2011
RD 661:2007
RD 413:2014
UNE 206006 IN:2011
UNE 217002:2020

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Certification Body

Date **28.04.2022**




Weichun Li

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

CERTIFICATE of Conformity



Registration No.: A3 50540849 0001

Report No.: CN226Q2Z 002

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

Product: **PV-Inverter**
(Grid-Connected PV Inverter)

Identification: Type Designation: GW8000-SDT-20 GW10K-SDT-20 GW12K-SDT-20
GW15K-SDT-20 GW17K-SDT-20 GW20K-SDT-20
Firmware Version: V1.13.13.13
Serial Number : Enginnering Samples
Remark : Compliance with the requirements of
RD 244/ 2019, Annex I. Refer to test
Report CN226Q2Z 002 for details.

Tested acc. to: UNE 206007-1 IN:2013
UNE 217001:2020
NTS Version 2.0

The certificate of conformity refers to the above mentioned product. This is to certify that the specimen is in conformity with the assessment requirement mentioned above. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.

Date 28.04.2022

Durch die DAkkS nach
DIN EN ISO/IEC 17065:2013
akkreditierte Zertifizierungsstelle.
Die Akkreditierung gilt nur für den in der
Urkundenanlage D-ZE-14169-01-02
aufgeführten Akkreditierungsumfang.



Certification Body

Weichun Li

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg

CERTIFICADO

de conformidad

Anexo a*Attachment to*

No. de registro: AK 50540850 0001-0002
Registration No.

No. de informe: CN226Q2Z 001
Report No.

Titular de licencia: GOODWE TECHNOLOGIES CO., LTD.
License Holder
No.90 Zijin Rd., Suzhou New District, Jiangsu 215011, P. R. China

Tipo de producción: Inversor fotovoltaico conectado a la red
Type of production

Modelo: GW8000-SDT-20, GW10K-SDT-20, GW12K-SDT-20, GW15K-SDT-20,
Model GW17K-SDT-20, GW20K-SDT-20

Versión de firmware: V1.13.13.13
Firmware version

Estándar: RD1699 : 2011
Standards RD661 : 2007
RD413 : 2014
RD244 : 2019/ ANEXO I
UNE 206006 IN : 2011
UNE 217002 :2020

Fecha de emisión: 28.04.2022
Date of issue

Válido hasta el: 28.04.2024
Valid until the

El certificado de conformidad hace referencia al producto mencionado anteriormente. Esto es para certificar que la muestra se encuentra en conformidad con el requisito de evaluación mencionado anteriormente. Este certificado no implica una evaluación de la producción del producto y no permite el uso de una marca de conformidad TÜV Rheinland.

The certificate of conformity refers to the above mentioned product. This is to certify that the specimen is in conformity with the assessment requirement mentioned above. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.

Información del inversor Inverter information			
Modelo Model	GW12K-SDT-20	GW10K-SDT-20	GW8000-SDT-20
Potencia nominal CA Nominal AC Power	12000W	10000 W	8000 W
Tensión nominal CA Nominal AC voltage	400V, 3L/N/PE	400V, 3L/N/PE	400V, 3L/N/PE
Corriente máxima CA Maximal AC current	19.1A	16.0A	12.8 A
Frecuencia nominal Nominal frequency	50 Hz	50 Hz	50 Hz
Rango de tensión MPPT MPPT voltage range	140-950 V		
Tensión CC máxima Max. DC voltage	1100 V	1100 V	1100 V
Corriente DC máxima Max. DC current	30/30A	15.0/15.0A	15.0/15.0A
Elemento de control Control device	Controller in Inverter	Controller in Inverter	Controller in Inverter
Tipo de dispositivo de control Type of control device	Integrated	Integrated	Integrated

Información del inversor Inverter information			
Modelo Model	GW15K-SDT-20	GW17K-SDT-20	GW20K-SDT-20
Potencia nominal CA Nominal AC Power	15000 W	17000 W	20000 W
Tensión nominal CA Nominal AC voltage	400V, 3L/N/PE	400V, 3L/N/PE	400V, 3L/N/PE
Corriente máxima CA Maximal AC current	24.0 A	27.1 A	32.0 A
Frecuencia nominal Nominal frequency	50 Hz	50 Hz	50 Hz
Rango de tensión MPPT MPPT voltage range	140-950 V		
Tensión CC máxima Max. DC voltage	1100 V	1100 V	1100 V
Corriente DC máxima Max. DC current	30.0/30.0A	30.0/30.0A	30.0/30.0A
Elemento de control Control device	Controller in Inverter	Controller in Inverter	Controller in Inverter
Tipo de dispositivo de control Type of control device	Integrated	Integrated	Integrated

Información general del transductor de corriente externo / medidor de potencia ^{*)} General information of external current transductor/ power meter			
Fabricante Manufacturer	GOODWE TECHNOLOGIES CO., LTD.		
Modelo Model	GM3000	SEC1000	HK 3000
Aplicación Application	3 Phase	3 Phase	3 Phase
Tensión nominal Nominal voltage	400 Vac/3P/N	400 Vac/3P/N	400 Vac/3P/N
Corriente máxima Max. current	120 A	250A	200A
Clase de precisión Class of accuracy	Class 1	Class 1	Class 1
Tipo de comunicación Type of communication	RS485	RS485	RS485

Esquema básico del sistema ^{*)} Basic system diagram	
GM3000	SEC1000
HK 3000	

*) Para cumplir los requisitos de RD244: 2019 / ANEXO I y UNE 217001 IN: 2015, se instalará el dispositivo adicional.
For fulfill the requirements of RD244 : 2019/ ANEXO I and UNE 217001 IN : 2015, the additional device shall be installed.

CERTIFICADO

de conformidad

Anexo a*Attachment to***No. de registro:** A3 50540849 0001
*Registration No.***No. de informe:** CN226Q2Z 002
*Report No.***Titular de licencia:** GOODWE TECHNOLOGIES CO., LTD.
License Holder
No.90 Zijin Rd., Suzhou New District, Jiangsu 215011, P. R. China**Tipo de producción:** Inversor fotovoltaico conectado a la red
*Type of production***Modelo:** GW8000-SDT-20, GW10K-SDT-20, GW12K-SDT-20, GW15K-SDT-20,
Model GW17K-SDT-20, GW20K-SDT-20**Versión de firmware:** V1.13.13.13
*Firmware version***Estándar:** UNE 206007-1 IN : 2013
Standards UNE 217001 :2020
NTS Version 2.0 :2020 Type A**Fecha de emisión:** 28.04.2022
*Date of issue***Válido hasta el:** 28.04.2024
Valid until the

El certificado de conformidad hace referencia al producto mencionado anteriormente. Esto es para certificar que la muestra se encuentra en conformidad con el requisito de evaluación mencionado anteriormente. Este certificado no implica una evaluación de la producción del producto y no permite el uso de una marca de conformidad TÜV Rheinland.

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Información del inversor Inverter information			
Modelo Model	GW12K-SDT-20	GW10K-SDT-20	GW8000-SDT-20
Potencia nominal CA Nominal AC Power	12000W	10000 W	8000 W
Tensión nominal CA Nominal AC voltage	400V, 3L/N/PE	400V, 3L/N/PE	400V, 3L/N/PE
Corriente máxima CA Maximal AC current	19.1A	16.0A	12.8 A
Frecuencia nominal Nominal frequency	50 Hz	50 Hz	50 Hz
Rango de tensión MPPT MPPT voltage range	140-950 V		
Tensión CC máxima Max. DC voltage	1100 V	1100 V	1100 V
Corriente DC máxima Max. DC current	30/30A	15.0/15.0A	15.0/15.0A
Elemento de control Control device	Controller in Inverter	Controller in Inverter	Controller in Inverter
Tipo de dispositivo de control Type of control device	Integrated	Integrated	Integrated

Información del inversor Inverter information			
Modelo Model	GW15K-SDT-20	GW17K-SDT-20	GW20K-SDT-20
Potencia nominal CA Nominal AC Power	15000 W	17000 W	20000 W
Tensión nominal CA Nominal AC voltage	400V, 3L/N/PE	400V, 3L/N/PE	400V, 3L/N/PE
Corriente máxima CA Maximal AC current	24.0 A	27.1 A	32.0 A
Frecuencia nominal Nominal frequency	50 Hz	50 Hz	50 Hz
Rango de tensión MPPT MPPT voltage range	140-950 V		
Tensión CC máxima Max. DC voltage	1100 V	1100 V	1100 V
Corriente DC máxima Max. DC current	30.0/30.0A	30.0/30.0A	30.0/30.0A
Elemento de control Control device	Controller in Inverter	Controller in Inverter	Controller in Inverter
Tipo de dispositivo de control Type of control device	Integrated	Integrated	Integrated

Información general del transductor de corriente externo / medidor de potencia ^{*)}			
General information of external current transductor/ power meter			
Fabricante Manufacturer	GOODWE TECHNOLOGIES CO., LTD.		
Modelo Model	GM3000	SEC1000	HK 3000
Aplicación Application	3 Phase	3 Phase	3 Phase
Tensión nominal Nominal voltage	400 Vac/3P/N	400 Vac/3P/N	400 Vac/3P/N
Corriente máxima Max. current	120 A	250A	200A
Clase de precisión Class of accuracy	Class 1	Class 1	Class 1
Tipo de comunicación Type of communication	RS485	RS485	RS485

Esquema básico del sistema ^{*)}	
Basic system diagram	
GM3000	SEC1000
<p>Diagram for GM3000: Serie FV PV string → CC DC → Inversor GoodWe Inverter → CA AC → GM3000 → Red Grid. A branch from the CA line goes through RLC (Consumos Loads) before the GM3000.</p>	<p>Diagram for SEC1000: Serie FV PV string → CC DC → Inversor GoodWe Inverter → CA AC → SEC1000 → Red Grid. A branch from the CA line goes through RLC (Consumos Loads) before the SEC1000. A CT (X/5) is shown on the line between the inverter and the SEC1000.</p>
HK 3000	
<p>Diagram for HK 3000: Serie FV PV string → CC DC → Inversor GoodWe Inverter → CA AC → HK 3000 → Red Grid. A branch from the CA line goes through RLC (Consumos Loads) before the HK 3000.</p>	

*) Para cumplir los requisitos de RD244: 2019 / ANEXO I y UNE 217001 IN: 2015, se instalará el dispositivo adicional.
For fulfill the requirements of RD244 : 2019/ ANEXO I and UNE 217001 IN : 2015, the additional device shall be installed.