

Compliance Document

No. D 083373 0039 Rev. 01

Holder of Certificate: **GoodWe Technologies Co., Ltd.**

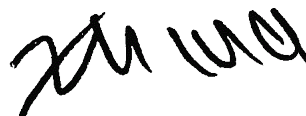
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Product: **Converter**
Hybrid Inverter

This Compliance document confirms the compliance with the listed standards on a voluntary basis. It refers only to the sample submitted for testing and certification and does not certify the quality or safety of the serial products. For details see: www.tuvsud.com/ps-cert

Test report no.: 704091815302-01

Date, 2021-11-22



(Zhengdong Ma)

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Model(s): GW5048D-ES, GW3648D-ES

Parameters:

Model	GW5048D-ES	GW3648D-ES
PV input ratings		
Max. input power	6500 W	4600 W
Max. input voltage	580 Vd.c.	580 Vd.c.
Max. input current	14/14 Ad.c.	14/14 Ad.c.
Max. PV string short-circuit current	17,5/17,5 Ad.c.	17,5/17,5 Ad.c.
MPPT voltage range	125 – 550 Vd.c.	125 – 550 Vd.c.
Battery input/output ratings		
Rated voltage	48 Vd.c.	48 Vd.c.
Battery voltage range	40 - 60 Vd.c.	40 - 60 Vd.c.
Max. charge current	100 Ad.c.	75Ad.c.
Max. discharge current	100 Ad.c.	75 Ad.c.
Grid input ratings		
Rated input voltage	230 Va.c.	230 Va.c.
Rated grid frequency	50/60 Hz	50/60 Hz
Max. input apparent power	9200 VA	7360 VA
Max. input current	40 Aa.c.	32 Aa.c
Grid output ratings		
Rated output active power	4600 W	3680 W
Max. output apparent power	4600 VA	3680 VA
Rated output current	20 Aa.c.	16 Aa.c.
Max. output current	24,5 Aa.c.	16 Aa.c.
Rated grid voltage	230 Va.c.	230 Va.c.
Rated grid frequency	50/60 Hz	50/60 Hz
Power factor	0,8 leading – 0,8lagging	0,8 leading – 0,8 lagging
AC output ratings (back-up)		
Back-up rated apparent power	4600 VA	3680 VA
Back-up rated output voltage	230 Va.c.	230 Va.c.
Back-up rated output current	20 Aa.c.	16 Aa.c.
Back-up rated output frequency	50/60 Hz	50/60 Hz
Non-electrical parameters		
Inverter topology	Non-isolated	Non-isolated
Operating temperature range	-25...60°C	-25...60°C
Protective class	Class I	Class I
Ingress protection	IP65	IP65
Overvoltage category	II(DC), III(AC)	II(DC), III(AC)

Tested according to:

NRS 097-2-1:2017 Edition 2.1