



Product Service

Compliance Document

No. D 083373 0039 Rev. 00

Holder of Certificate: **JIANGSU GOODWE POWER SUPPLY TECHNOLOGY CO., LTD.**

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PEOPLE'S REPUBLIC OF CHINA

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. See also notes overleaf.

Test report no.: 704091815302-00

Date, 2018-11-12


(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 | 11/11 Ad.c. | 11/11 Ad.c. |
| Max. PV string short-circuit current | 13,8/13,8 Ad.c. | 13,8/13,8 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 | 3600 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