

# Compliance Document

No. D 123231 0003 Rev. 00

**Holder of Certificate:** **Ruihe (Chongqing) New Energy Technology Co., Ltd.**

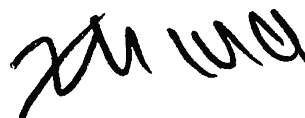
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PEOPLE'S REPUBLIC OF CHINA

**Product:** **PV inverter**  
**Grid-connected 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](http://www.tuvsud.com/ps-cert)

**Test report no.:** 704092386601-00

**Date,** 2023-12-04



( Zhengdong Ma )

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**Model(s):** RV3000H-S2, RV3680H-S2

## Parameters:

|                                       |                  |            |
|---------------------------------------|------------------|------------|
| Model                                 | RV3000H-S2       | RV3680H-S2 |
| PV input parameters:                  |                  |            |
| Max. input voltage                    | d.c. 550 V       |            |
| Max. input current                    | d.c. 2*16 A      |            |
| Isc PV (absolute maximum)             | d.c. 2*20 A      |            |
| MPPT voltage range                    | d.c. 40-530 V    |            |
| Battery input parameters:             |                  |            |
| Battery type                          | Li-ion           |            |
| Rated battery voltage                 | d.c. 48 V        |            |
| Battery voltage range                 | d.c. 40-60 V     |            |
| Max. battery charge/discharge current | d.c. 100 A/100 A |            |
| Grid output parameters:               |                  |            |
| Rated grid output active power        | 3000 W           | 3680 W     |
| Rated grid output apparent Power      | 3000 VA          | 3680 VA    |
| Max. grid output apparent power       | 3000 VA          | 3680 VA    |
| Rated grid voltage                    | a.c. 230 V       |            |
| Rated grid frequency                  | 50 Hz            |            |
| Max. grid output current              | a.c. 13.6 A      | a.c. 16 A  |
| Adjustable cos(φ)                     | 0.8ind...0.8cap  |            |

Interface protection settings (Manufacturer default settings)

| Protection function   | Trip setting        | Time Delay Setting |
|-----------------------|---------------------|--------------------|
| U/V                   | $V_{\phi-N} - 20\%$ | 2.5s               |
| O/V st 1              | $V_{\phi-N} + 14\%$ | 1.0s               |
| O/V st 2              | $V_{\phi-N} + 19\%$ | 0.5s               |
| U/F st 1              | 47.5 Hz             | 20s                |
| U/F st 2              | 47 Hz               | 0.5s               |
| OF                    | 52 Hz               | 0.5s               |
| Loss of Mains (RoCoF) | 1 Hzs <sup>-1</sup> |                    |

**Tested  
according to:**

G98/1-7:2022