

# Compliance Document

No. D 124661 0012 Rev. 00

**Holder of Certificate:** **Zhejiang Inventronics New Energy 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. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 64290233214701

**Date,** 2024-04-30



( Billy Qiu )

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**Model(s):** HHB-05K000CRLV

## Parameters:

PV terminal	
Vmax. PV	580 Vd.c.
MPPT voltage range	125~550 Vd.c.
Max. continuous PV input current	13/13 Ad.c.
Isc PV	14/14 Ad.c.
Max. continuous PV input power	6000 W
Battery terminal parameter	
Battery type	Li-ion
Voltage range	40~58 Vd.c.
Rated voltage	48 Vd.c.
Maximum charge/discharge current	70/100 Ad.c.
Maximum charge/discharge power	4200/4600 W
Grid terminal parameter	
Rated voltage	230 Va.c.
Rated frequency	50 Hz
Rated input current	21.7 Aa.c.
Maximum continuous input current	22.8 Aa.c.
Maximum continuous input power	5000 W
Rated output current	21.7 Aa.c.
Maximum continuous output current	22.7 Aa.c.
Power factor (Cos phi), adjustable	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)
Maximum continuous output power	5000 W

## License condition:

- (1) The grid connection protection system is evaluated according to DIN VDE 0126-1-1 (VDE V 0126-1-1):2013-08, specially with consideration of "Enedis-PRO-RES\_10E - Description and study of decoupling protections for the connection of Generation Facilities connected to the Public Distribution Network (Version 6)". The setting of the integrated protection system of DIN VDE 0126-1-1 (VDE V 0126-1-1):2013-08 is as follows:  
 Over voltage (stage 1: 10 min. mean value): 1.10 Un;  
 Over voltage (stage 2): 1.15 Un;  
 Under voltage: 0.80 Un;  
 Over frequency: 51.5 Hz;  
 Under frequency: 47.5 Hz.
- (2) The installation of this Hybrid inverter in the PV plant shall further comply with "Guide Pratique XP C 15-712-3:2019, Photovoltaic installations with storage device and connected to a public distribution network" and other suitable regulations.

**Tested  
according to:**

DIN VDE 0126-1-1:2013