



Product Service

CERTIFICATE

No. Z2 124661 0003 Rev. 00

Holder of Certificate: **Zhejiang Inventronics New Energy Technology Co., Ltd.**

West Section 2nd Floor, South Building
Building 1, No.88, Huancheng South Road
Tonglu Economic Development Zone
Tonglu County
311500 Hangzhou City, Zhejiang Province
PEOPLE'S REPUBLIC OF CHINA

Certification Mark:



Product: **Converter
(Hybrid inverter)**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the Testing, Certification, Validation and Verification Regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 64290233214301

Valid until: 2026-12-29

Date, 2024-06-12

(Billy Qiu)

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

Parameters:

Model	HHB-05K000CRLV
PV terminal	
Vmax PV	580 Vd.c.
MPPT Voltage Range	125~550 Vd.c.
Maximum continuous PV input current	13/13 Ad.c.
Isc PV	14/14 Ad.c.
Maximum 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	22.7 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	0.8leading~0.8lagging
Maximum continuous output power	5000 W
Backup load terminal parameter	
Rated voltage	230 Va.c.
Rated frequency	50 Hz
Rated output Current	21.7 Aa.c.
Maximum continuous output current	22.8 Aa.c.
Maximum continuous output power	4600 W
General parameter	

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Operating Temperature	-25°C to +60°C
Protective class	Class I
Overvoltage Category	II(DC side), III(AC side)
Ingress protection	IP65

**Tested
according to:**

IEC 62109-1:2010
EN 62109-1:2010
IEC 62109-2:2011
EN 62109-2:2011