


Certificate of Conformity

Certificate Number: CN-PV-220269

On the basis of the tests undertaken, the sample<s> of the below product have been found to comply with the requirements of the referenced specification<s>/standard<s> at the time the tests were carried out. It does not imply that Intertek has performed any surveillance or control of the manufacture(s). The manufacturer(s) shall ensure that the manufacturing process assures compliance of the production units with the examined products mentioned in this certificate.

Applicant:	Shanghai Hoenergy Power Technology Co., LTD Building 1, 1888 Wangyuan Road, Fengxian District, Shanghai, P.R.China
Product:	Hybrid Solar Storage System
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	Inverter conversion device: iINV-HB1-3.0KL, iINV-HB1-3.6KL, iINV-HB1-4.0KL, iINV-HB1-4.6KL, iINV-HB1-5.0KL, iINV-HB1-6.0KL Batteries and BMS - Battery Management System Battery module model: iBAT-R-5.12L*6 Battery pack: iBAT-R-5.12L High voltage control model: iBMS-48V/BMS-RH
Brand Name<s>:	 HOENERGY BOLD YOUR ENERGY
Product Complies with:	CEI 0-21:2022: Reference technical rules for the connection of active and passive users to the LV electrical Utilities
Certificate Issuing Office Name & Address:	Intertek Testing Services Ltd. Shanghai West Area, 2 nd Floor, No. 707, Zhangyang Road China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China Accredited by ACCREDIA in accordance with ISO/IEC 17065:2012
Test Report No.<s>:	220919109GZU-001 Issued by Intertek Testing Services Shenzhen Ltd. Guangzhou Branch accredited by IAS (TL-395) in accordance with ISO/IEC 17025:2017

Additional information in Appendix.



Signature

Certification Manager: Grady Ye

Date: 06 December 2022




PRD N° 306B

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-220269.

Test item description.....:	Hybrid Solar Storage System
Trademark.....:	 HOENERGY <small>SAVE YOUR ENERGY</small>
Manufacturer.....:	Same as applicant
Model/Type reference.....:	Inverter conversion device: iINV-HB1-3.0KL, iINV-HB1-3.6KL, iINV-HB1-4.0KL, iINV-HB1-4.6KL, iINV-HB1-5.0KL, iINV-HB1-6.0KL Brands: HOENERGY Batteries and BMS - Battery Management System Battery module model: iBAT-R-5.12L*6 Battery pack: iBAT-R-5.12L High voltage control model: iBMS-48V/BMS-RH Brands: HOENERGY
Inverter Firmware Version.....:	V1.0
Number of phases.....:	Single-phase
Nominal Power.....:	3000W (iINV-HB1-3.0KL), 3680W (iINV-HB1-3.6KL), 4000W (iINV-HB1-4.0KL), 4600W (iINV-HB1-4.6KL), 5000W (iINV-HB1-5.0KL), 6000W (iINV-HB1-6.0KL)
Type.....:	Bidirectional
CUS (useful capacity of the storage system).....:	30.7 kWh
Psn (nominal discharge power)	3750W(iBAT-R-5.12L*6)
Pcn (nominal charge power)	3100W(iBAT-R-5.12L*6)
Psmax (maximum discharge power):.	3750W(iBAT-R-5.12L*6)
Pcmx (maximum charge power)	3100W(iBAT-R-5.12L*6)
BMS Firmware Version.....:	HZ010C012022070100100001(iBAT-R-5.12L*6)

Battery		CUS (useful capacity of the storage system)	
Basic Model	Manufacturer	Capacity of per battery module (kWh)	Number of Battery pack
iBAT-R-5.12L*6	Shanghai Hoenergy Power Technology Co., LTD	30.7	6

Note:

1. Batteries are not integrated within the inverter and shall be installed according to local regulation.

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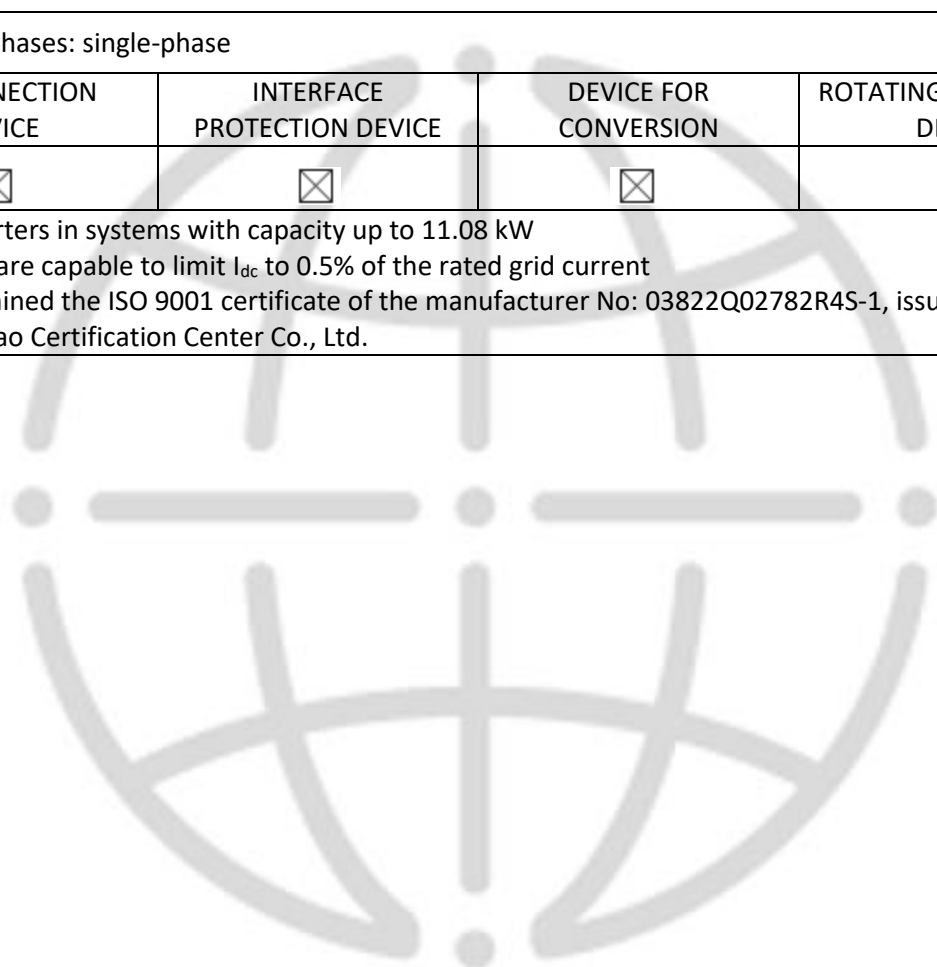
Model	iINV-HB1-3.0KL	iINV-HB1-3.6KL	iINV-HB1-4.0KL	iINV-HB1-4.6KL	iINV-HB1-5.0KL	iINV-HB1-6.0KL
Max. PV voltage	550 d.c.V					
MPPT voltage range	125-500 d.c.V					
PV Isc	17.5/17.5 d.c.A					
Max. input current	14/14 d.c.A					
Battery voltage range	43.2-57.6 d.c.V					
Max. charging current	50 d.c.A					
Max. discharging current	70 d.c.A					
Type of battery	Lead-acid					
Capacity of battery	30.7kWh					
Nominal input / output power [W]	3000/ 3000	3680/ 3680	4000/ 4000	4600/ 4600	5000/ 5000	6000/ 6000
Max. apparent power [VA]	3000	3680	4000	4600	5000	6000
Nominal output voltage	230 a.c.V					
Nominal input/output current [a.c.A]	13/13	16/16	17.4/17.4	20/20	21.7/21.7	26/26
Nominal Frequency	50/60Hz					
Power factor range	0.99 Leading – 0.99 lagging					
Safety level	Class I					
Ingress Protection	IP 65					
Operation Ambient Temperature	-25°C - +60°C					
Software version	V 1.0					

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TYPE OF APPARATUS: Hybrid Solar Storage System			
Number of phases: single-phase			
DISCONNECTION DEVICE	INTERFACE PROTECTION DEVICE	DEVICE FOR CONVERSION	ROTATING GENERATOR DEVICE
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<p>Static converters in systems with capacity up to 11.08 kW The devices are capable to limit I_{dc} to 0.5% of the rated grid current Having examined the ISO 9001 certificate of the manufacturer No: 03822Q02782R4S-1, issued by: Beijing Shibiao Certification Center Co., Ltd.</p>			



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