


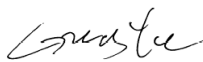
Certificate of Conformity

Certificate Number: CN-PV-220280

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:	Suzhou Johnray Solar Energy Co., Ltd. Room 209, Building 1, Lejiahui Business Plaza, New District, Suzhou, Jiangsu, China
Product:	Hybrid Inverter
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	JH-6K-ML, JH-5K-ML, JH-4K-ML, JH-3.6K-ML, JH-3K-ML
Brand Name<s>:	
Product Complies with:	RD647:2020 UNE 217002:2020
Certificate Issuing Office Name & Address:	Intertek Testing Services Ltd. Shanghai West Area, 2nd 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>:	220913038GZU-001

Additional information in Appendix.



Signature

Certification Manager: Grady Ye
Date: 12 December 2022



PRD N° 306B

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-220280

MODEL	JH-3K-ML	JH-3.6K-ML	JH-4K-ML	JH-5K-ML	JH-6K-ML
PV String Input data					
Max. Recommended PV power(kW)	7	7	9	9	9
Max.DC voltage(V)	550				
Nominal voltage(V)	360				
MPPT working voltage range(V)	90~550				
Full load dc voltage range(V)	300~450				
Start Voltage/Minimum working voltage(V)	100/80				
Max. input Current of tracker A/tracker B (A)	15/15				
No. of independent MPP trackers/string per MPPT tracker	2/1				
AC Output Data (Grid)					
Rated AC output power(KW)	3	3.6	4	5	6
Max. AC apparent Power(kVA)	3.3	4	4.4	5.5	6.6
Max. AC input power(KW)	6	7.2	8	10	12
AC output voltage	230V, L+N+PE				
Rated AC output frequency	50 /60				
Rated AC output current (A)	13	15.6	18	22	26
Max. AC input current (A)	28	32	38	48	58
Power factor	±0.8				
AC Output Data (Back-up)					
Max. AC output power(KVA)	3.3	4	4.4	5.5	6.6
Rated AC output power(KW)	3	3.6	4	5	6
Rated AC output voltage	230V, L+N+PE				
Rated AC output frequency	50 /60				

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Battery data					
Battery Type	Lithium /Lead-acid				
Nominal voltage(V)	48				
Battery voltage Range(V)	42~59				
Max.charging/discharging	80/80	80/80	100/100	100/100	100/100
Capacity of battery	25-2000AH				
General Data					
Operating temperature	-25 °C~ +60 °C				
Environmental Protection	IP65				
Firmware version	HI 1.0				

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