


# Certificate of Conformity

Certificate Number: CN-PV-230600

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.

<b>Applicant:</b>	Shenzhen SOFARSOLAR Co., Ltd. 11/F., Gaoxinqi Technology Building, No.67 Area, Xingdong Community, Xin'an Sub-district, Bao'an District, Shenzhen City, China.
<b>Product:</b>	Hybrid inverter
<b>Ratings &amp; Principle Characteristics:</b>	See appendix of Certificate of Conformity
<b>Model:</b>	HYD 5KTL-3PH, HYD 6KTL-3PH, HYD 8KTL-3PH, HYD 10KTL-3PH, HYD 10KTL-3PH-A, HYD 15KTL-3PH, HYD 20KTL-3PH
<b>Brand Name&lt;s&gt;:</b>	
<b>Product Complies with:</b>	C10/11:2021 SPECIFIC TECHNICAL PRESCRIPTIONS REGARDING POWER- GENERATING PLANTS OPERATING IN PARALLEL TO THE DISTRIBUTION NETWORK
<b>Certificate Issuing Office Name &amp; Address:</b>	Intertek Testing Services Ltd. Shanghai West Area, 2 <sup>nd</sup> 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
<b>Test Report No.&lt;s&gt;:</b>	231013140GZU-001, 24 Oct 2023

Additional information in Appendix.



**Signature**

**Certification Manager: Grady Ye**

**Date: 01 November 2023**



PRD N° 306B

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## APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-230600.

Model	HYD 5KTL-3PH	HYD 6KTL-3PH	HYD 8KTL-3PH	HYD 10KTL-3PH HYD 10KTL-3PH-A	HYD 15KTL-3PH	HYD 20KTL-3PH
PV Input data						
Max. PV Input Voltage	1000Vdc					
Max. PV current	16.0 A*2			32.0 A*2		
Max. PV Isc	22.5 A*2			45.0 A*2		
AC output/Input data						
Rated output power [VA]	5000	6000	8000	10000	15000	20000
Max. Input power for charging battery /Output apparent power[VA]	5500	6600	8800	11000 for model HYD 10KTL-3PH 10000 for model HYD 10KTL-3PH-A	16500	22000
Nominal voltage	3W/N/PE 230/400Vac					
Max. input current [a.c.A]	14.5A	17.4A	23.2A	29.0A	43.5A	58.0A
Rated output current [a.c.A]	7.2A	8.7A	11.6A	14.5A	21.7A	29.0A

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Nominal Frequency	50/60 Hz					
Power Factor range	0.8 Leading ~ 0.8 Lagging					
EPS output data						
Max. output apparent power	5500VA	6600VA	8800VA	11000 for model HYD 10KTL-3PH 10000 for model HYD 10KTL-3PH-A	16500VA	22000VA
Nominal AC output voltage	3W/N/PE 230/400Vac					
Nominal AC Frequency	50/60 Hz					
Max. output current	8.0A	9.6A	12.8A	15.9A for HYD 10KTL-3PH 14.5A for HYD 10KTL-3PH-A	23.9A	31.9A
Battery data						
Battery voltage range	180 – 800 Vdc					
Max continuous charging current	25A			25/25A		

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Max continuous discharging current	25A	25/25A
Type of battery	Lithium-ion & Lead-acid	
Ingress Protection	IP65	
Protective Class	Class I	
Operating temperature range	-30°C - +60°C	
FW Version	V2.00	

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