

Certificate of Conformity

Certificate Number: CN-PV-230414

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:	Shenzhen Tentek New Energy Technology Co., Ltd. 8th Floor, B-A1, New Era Gongrong Industrial Zone, #2 Shihuan Rd, Shiyan Town, Shenzhen, P.R. China.
Product:	Microinverter
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	Tiger-2KW4E1P, Tiger-1.8KW4E1P, Tiger-1.6KW4E1P
Brand Name<s>:	 — Catch Every Sunbeam —
Product Complies with:	Commission Regulation (EU) 2016/631 of 14 April 2016 (NC RfG) establishing a network code on the requirements for connecting generating units to the network (Journal of Laws UE L 112/1 of 27 April 2016); PSE:18 December 2018: General Application Requirements resulting from the Regulation of the EU Commission 2016/631 of April 14, 2016 establishing the network code on the requirements for connecting generating units to the grid - approved by the Decision of the President of the Energy Regulatory Office DRE.WOSE.7128.550.2.2018.ZJ of January 2, 2019; PTPiREE, 2021-04: Conditions and procedures for the use of certificates in the process of connecting power generation modules to power grids. Type approval for Type A PPMs
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>:	230612025GZU-001

Additional information in Appendix.



Signature

Certification Manager: Grady Ye

Date: 20 July 2023

Valid until: 19 July 2028



PRD N° 306B

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-230414

The following functionalities have been assessed based on the rules for the use of certificate for Power Park Modules (PPMs), as specified in chapter 7 and 9 of the PTPIREE 2021-04. The functions denoted “Not Applicable” in the table of chapter 7 has not been included.

Capability	NC RfG	PSE 2018-12	Type A	Assessment result
Frequency range	13.1(a)	13.1(a)(i)	x	Compliant
Rate of Change of Frequency (ROCOF) Withstand capability, df/dt	13.1(b)	13.1(b)	x	Compliant
Remote cessation of active power	13.6	13.6	x	Compliant
Limited Frequency Sensitive Mode – Over frequency (LFSM-O)	13.2	13.2(a).(b).(f)	x	Compliant

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Model	Tiger-1.6KW4E1P	Tiger-1.8KW4E1P	Tiger-2KW4E1P
PV Input			
Max. input voltage	60V		
MPPT voltage range	25-50V		
Max. input current	60A		
Max. short circuit current	72A		
Output AC (Grid side)			
Rated output power	1.6kW	1.8kW	2.0kW
Max. apparent output power	1.6kVA	1.8kVA	2.0kVA
Rated grid voltage	L/N/PE, 230V		
Rated grid frequency	50Hz		
Max. output current	6.95A	7.83A	8.7A
Power factor	>0.99 default (0.8 leading...0.8 lagging)		
Ambient temperature range	-40...+65 °C		
Degree of protection	IP67		
Software Version	TJ01V1.002		

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