



Product Service

# Attestation of Conformity

No. E8A 109906 0040 Rev. 00

**Holder of Attestation:** **Hiconics Eco-energy Drive Technology Co., Ltd.**

No.3 Boxing 2nd Road  
Beijing Economic and Technological Development Zone  
100176 Beijing  
PEOPLE'S REPUBLIC OF CHINA

**Name of Object:** **Converter**  
**(Photovoltaic grid-connected inverter)**

This Attestation of Conformity is issued on a voluntary basis according to the Directive 2014/30/EU relating to electromagnetic compatibility. It confirms that the listed apparatus complies with the principal protection requirements of the directive and is based on the technical specifications applicable at the time of issuance. It refers only to the particular sample submitted for conformity assessment. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 64772223105601A

**Date,** 2023-03-01

( Tony Liu )

Page 1 of 3

This Attestation does not replace the regulatory EU Declaration of Conformity (DoC) and does not allow for CE marking. After preparation of the necessary documentation and establishing compliance to requirements of all applicable directives, the manufacturer may sign a DoC and apply the CE marking. The DoC is issued under the sole responsibility of the manufacturer.



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**Model(s):** HEC-T 8K, HEC-T 10K, HEC-T 12K

## Description of Object:

Model Name	HEC-T 8K	HEC-T 10K	HEC-T 12K
<b>Battery Input Data</b>			
Battery Type	Lithium or lead-acid battery		
Battery Voltage Range	44~58 Vd.c.		
Max. Charge Current	160 Ad.c.		
Max. Discharge Current	160 Ad.c.	200 Ad.c	
Max. Charge Power	8000 W		
Max. Discharge Power	8000 W	10000 W	
<b>PV String Input Data</b>			
Max. PV Input Power	16000 W	20000 W	20000 W
Max. PV Input Voltage	1100 Vd.c.		
MPPT Range	140-1000 Vd.c.		
MPPT Range (Full load)	380~850 Vd.c.	420~850 Vd.c.	480~850 Vd.c.
Nominal PV Input Voltage	720 Vd.c.		
Max. Input Current	15/15 Ad.c.		
Max. Short Current	20/20 Ad.c.		
No. of MPP Trackers	2		
Strings per MPP Tracker	1		
<b>AC terminal Data(On-grid)</b>			
Nominal Output Power	8000 W	10000 W	12000 W
Max. Output Power	8800 VA	11000 VA	13200 VA
Nominal Input Power	16000 W	17800 W	
Max. Input Power	16000 VA	17800 VA	
Nominal Output Voltage	3L/N/PE, 230/400 Va.c.		
Nominal Output Frequency	50/60 Hz		
Max. Output AC Current	12.8 Aa.c.	16 Aa.c.	19.2 Aa.c.
Rated Output AC Current	11.6 Aa.c.	14.5 Aa.c.	17.4 Aa.c.
Max. Input AC Current	25 Aa.c.	25 Aa.c.	
Output Power Factor	Adjustable from 0.8 leading to 0.8 lagging		

Page 2 of 3

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AC Output Data (Back-up/Load Control)			
Max. Output Power	8000 VA	10000 VA	10000 VA
Rated Output Power	7360 W	9200 W	9200 W
Rated Output current	10.7 Aa.c.	13.3 Aa.c.	13.3 Aa.c.
Max. Output Current	11.6 Aa.c	14.5 Aa.c.	14.5 Aa.c.
Nominal Output Voltage	3L/N/PE, 230/400Va.c.		
Nominal Output Frequency	50/60 Hz		
General Data			
Operating Temperature Range	-25°C ~+60°C (derating at 40°C)		
Relative Humidity	0-95%		
Operating Altitude	≤2000 m		
Cooling	Nature Cooling		
Protection class	I		
Ingress protection	IP65		

**Tested according to:**

- EN IEC 61000-6-1:2019
- EN IEC 61000-6-2:2019
- EN IEC 61000-6-3:2021
- EN IEC 61000-6-4:2019
- EN IEC 61000-3-2:2019/A1:2021
- EN 61000-3-3:2013/A2:2021
- EN IEC 61000-3-11:2019
- EN 61000-3-12:2011

Page 3 of 3

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