Suzhou Hypontech Co,Ltd.
No.1508 Xiangjiang Road, Suzhou, China
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EU Declaration of Conformity

Within the meaning of the EU directives for solar inverter

- Low Voltage Directive 2014/35/EU (LVD)
- Electromagnetic compatibility 2014/30/EU (EMC)
- RoHS Directive 2011/65/EU and Directive (EU) 2015/863 (RoHS)

The subject matter of the declaration described below meet the requirements relating to Union harmonization legislation.

The applied harmonization standards are listed in the following table.

	Inverter / Model name
Device safety (LVD)	HPK-1000, HPK-1500, HPK-2000, HPK-2500, HPK-3000 HPS-3000L,HPS-3680,HPS-4000,HPS-5000,HPS-6000,HPS-6500 HPS-3000DL,HPS-3680D,HPS-4000D,HPS-5000D,HPS-6000D,HPS-6500D HPS-7000,HPS-8000,HPS-9000 HPT-3000, HPT-4000,HPT-5000,HPT-6000,HPT-8000,HPT-10000 HPT-15K,HPT-17K,HPT-20K,HPT-25K HPT-30K,HPT-33K,HPT-36K,HPT-40K,HPT-50K HHS-3000,HHS-3680,HHS-5000,HHS-6000 HBS-3000,HBS-3680,HBS-5000,HBS-6000 HHT-5000,HHT-6000,HHT-8000,HHT-10000,HHT-12000
EN 62109-1:2010	
EN 62109-2:2011 or EN 62477-1:2012/A12:2021	
Electromagnetic compatibility (EMC)	
EN 61000-6-1:2007	
EN 61000-6-2:2005	
EN 61000-6-3:2007+A1:2011+AC:2012	
EN 61000-6-4:2007+A1:2011	
EN 61000-3-2:2014 or EN 61000-3-12:2011+AC:2013	
EN 61000-3-3:2013 or EN 61000-3-11:2000	
RoHS	

Wi-Fi communication as an optional function, the Wi-Fi module is not integrated into the inverter, as an accessory device in the packaging, within the meaning of the EU directive for Wi-Fi module

- Radio Equipment Directive 2014/53/EU (RED)

The subject matter of the declaration described below meet the requirements relating to Union harmonization legislation.

The applied harmonization standards are listed in the following table.

	Wi-Fi Module / Model name
Radio Equipment Directive (RED) [1]	ESP32-SOLO-1
EN 301489-1 V2.2.0 Draft	
EN 301489-17 V3.2.0 Draft	
EN 300328 V2.1.1	
EN 62311:2008	

1) For Wi-Fi communication, Wi-Fi module manufactured by ESPRESSIF SYSTEMS (SHANGHAI) CO., LTD. The type of ESP32-SOLO-1 complies with the essential requirements, in accordance with Article 3 of Directive 2014/53/EU, the certificate No. of EU-type examination (Module B) is 192140275/AA/00 for trademark ESPRESSIF.

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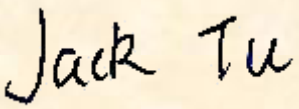
Technical features and characteristics for ESP32-SOLO-1, IEEE 802.11 b/g/n (20/40 MHz)

- Operating frequency range : 2412-2472 MHz (13/9 channels)
- Maximum output power: 19.98 dBm EIRP average (calculated)
- Maximum antenna gain: 3.7 dBi

Note: The declaration of conformity is issued under the sole responsibility of the manufacturer.
Without an explicit written confirmation by Suzhou Hypontech Co.,Ltd, this declaration of conformity is no longer valid if the product is modified, supplemented or changed in any other way and if components which are not part of the Hypontech accessory, are integrated in the product, as well as if the product is used or installed improperly.

Suzhou Hypontech Co.,Ltd.



Product Manager
Place: Suzhou
Date: 2022-11-16

ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Product Service

Attestation of Conformity

No. N8A 105515 0067 Rev. 00

Holder of Certificate: **Suzhou Hypontech Co., Ltd.**
No.1508 Xiangjiang Road,
SND,
215010 Suzhou
PEOPLE'S REPUBLIC OF CHINA

Product: **Converter**
HYBRID INVERTER

This Attestation of Conformity is issued on a voluntary basis according to the Low Voltage Directive 2014/35/EU relating to electrical equipment designed for use within certain voltage limits. It confirms that the listed equipment 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 testing and certification. For details see: www.tuvsud.com/ps-cert

Test report no.: 704092222016-00

Date, 2022-08-25

(Zhengdong Ma)

After preparation of the necessary technical documentation as well as the EU declaration of conformity the required CE marking can be affixed on the product. The declaration of conformity is issued under the sole responsibility of the manufacturer. Other relevant EU-directives have to be observed.

TÜV SÜD Product Service GmbH • Certification Body • Ridlerstraße 65 • 80339 Munich • Germany

Product Service

Attestation of Conformity

No. N8A 105515 0067 Rev. 00

Model(s): **HHT-5000, HHT-6000, HHT-8000, HHT-10000, HHT-12000.**

Parameters:

Model Name	HHT-5000	HHT-6000	HHT-8000	HHT-10000	HHT-12000
PV Input data					
Max. input voltage:	d.c. 1000V				
MPP voltage range:	d.c. 150...850V				
Max. input current:	d.c. 2 x 15A				
Isc PV(absolute maximum):	d.c. 2 x 20A				
Battery Input data					
Battery type:	Li-Ion				
Battery voltage Range	d.c. 160...800V				
Max. charging/discharging Current	d.c. 25/25A				
AC for On-grid data					

After preparation of the necessary technical documentation as well as the EU declaration of conformity the required CE marking can be affixed on the product. The declaration of conformity is issued under the sole responsibility of the manufacturer. Other relevant EU-directives have to be observed.

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ZERTIFIKAT ◆ CERTIFICATE ◆ 認證證書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Product Service

Attestation of Conformity

No. N8A 105515 0067 Rev. 00

Rated grid voltage:	a.c. 380/400V				
Rated grid frequency:	50/60Hz				
Max. continuous current to Grid:	a.c. 8.5A	a.c. 10A	a.c. 13.5A	a.c. 16A	a.c. 20A
Rated active power to Grid:	5000W	6000W	8000W	10000W	12000W
Max. / rated apparent power to Grid:	5500VA	6600VA	8800VA	11000VA	13200VA
Max. continuous current from Grid	a.c. 17A	a.c. 20A	a.c. 23A	a.c. 23A	a.c. 29A
Rated active power from Grid	10000W	12000W	15000W	15000W	18000W
Max./Rated apparent power from Grid	11000VA	13200VA	16500VA	16500VA	20000VA
Adjustable cos(φ):	0.8ind…0.8cap				
AC for Back-up data					
Back-up nominal voltage	a.c. 380/400V				
Back-up nominal output Frequency	50/60Hz				
Back-up max. current	a.c. 8.5A	a.c. 10A	a.c. 13.5A	a.c. 16A	a.c. 20A
Back-up max. apparent power	5000VA	6000VA	8000VA	10000VA	12000VA
Inverter Topology	Non-isolated				
Operating temperature range:	-25°C…+60°C				
Ingress protection:	IP65				
Protective class:	I				
Overvoltage category:	II(DC), III(AC)				

Tested according to:

EN 62109-1:2010
EN 62109-2:2011

After preparation of the necessary technical documentation as well as the EU declaration of conformity the required CE marking can be affixed on the product. The declaration of conformity is issued under the sole responsibility of the manufacturer. Other relevant EU-directives have to be observed.

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