



# Compliance Document

No. D 120966 0002 Rev. 01

**Holder of Certificate:** **Jiangsu Hanchu Energy Technology Co.,Ltd**  
No. 588,Jinhui Road, Huishan District  
214100 Wuxi City, Jiangsu Province  
PEOPLE'S REPUBLIC OF CHINA

**Product:** **PV inverter**  
**Grid-connected Hybrid Inverter**

This Compliance document confirms the compliance with the listed standards on a voluntary basis. It refers only to the sample submitted for testing and certification and does not certify the quality or safety of the serial products. For details see: [www.tuvsud.com/ps-cert](http://www.tuvsud.com/ps-cert)

**Test report no.:** 704092304914-01

**Date,** 2024-01-02

( Zhengdong Ma )

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**Model(s):** HESS-HY-S-3.0K, HESS-HY-S-3.68K

## Parameters:

Model	HESS-HY-S-3.0K	HESS-HY-S-3.68K
PV input parameters:		
Max. input voltage	d.c. 550 V	
Max. input current	d.c. 2*16 A	
Isc PV (absolute maximum)	d.c. 2*20 A	
MPPT voltage range	d.c. 40-530 V	
Battery input parameters:		
Battery type	Li-ion	
Rated battery voltage	d.c. 48 V	
Battery voltage range	d.c. 40-60 V	
Max. battery charge/discharge current	d.c. 100 A/100 A	
Grid output parameters:		
Rated grid output active power	3000 W	3680 W
Rated grid output apparent Power	3000 VA	3680 VA
Max. grid output apparent power	3000 VA	3680 VA
Rated grid voltage	a.c. 230 V	
Rated grid frequency	50 Hz	
Max. grid output current	a.c. 13.6 A	a.c. 16 A
Adjustable cos( $\varphi$ )	0.8ind...0.8cap	

### Interface protection settings (Manufacturer default settings)

Protection function	Trip setting	Time Delay Setting
U/V	$V_{\varphi-N} - 20\%$	2.5s
O/V st 1	$V_{\varphi-N} + 14\%$	1.0s
O/V st 2	$V_{\varphi-N} + 19\%$	0.5s
U/F st 1	47.5 Hz	20s
U/F st 2	47 Hz	0.5s
OF	52 Hz	0.5s
Loss of Mains (RoCoF)	1 Hzs <sup>-1</sup>	

**Tested according to:**

G98/1-7:2022