

Compliance Document

No. D 120966 0001 Rev. 01

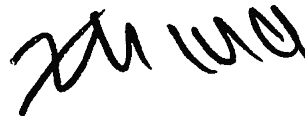
Holder of Certificate: **Jiangsu Hanchu Energy Technology Co.,Ltd**
No. 588,Jinhui Road, Huishan District
214100 Wuxi City, Jiangsu Province
PEOPLE'S REPUBLIC OF CHINA

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

Test report no.: 704092304913-01

Date, 2024-01-02



(Zhengdong Ma)

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Model(s): HESS-HY-S-4.0K, HESS-HY-S-5.0K, HESS-HY-S-6.0K

Parameters:

Model	HESS-HY-S-4.0K	HESS-HY-S-5.0K	HESS-HY-S-6.0K
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. charge/discharge current	d.c. 100 /100 A		
Grid output parameters:			
Rated grid output active power	4000 W	5000 W	6000 W
Rated grid output apparent Power	4000 VA	5000 VA	6000 VA
Max. grid output apparent Power	4000 VA	5000 VA	6000 VA
Rated output voltage	a.c. 230 V		
Rated output frequency	50 Hz		
Max. output current	a.c. 18.2 A	a.c. 22.7 A	a.c. 27.3 A
Adjustable cos(ϕ)	0.8ind...0.8cap		

Protection settings (Manufacturer default settings)

Protection Function	Type A Power Generating Modules	
	Trip setting	Time Delay Setting
U/V	$V_{\phi-N} - 20\%$	2.5s
O/V st 1	$V_{\phi-N} + 14\%$	1.0s
O/V st 2	$V_{\phi-N} + 19\%$	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 ⁻¹ time delay 0.5 s	

Tested according to:

G99/1-9:2022