

ATTESTATION

of conformity with European Directives

BV LCIE CHINA Number

Grid-connected hybrid Inverter

N°2366AB12BVKJ52891

Product

Brand	A HAIICFU ESS
Reference	Refer to report for details
Issued to	Jiangsu Hanchu Energy Technology Co.,Ltd
Address	No.588, Jinhui Road, Huishan District , Wuxi City, Jiangsu Province, China
Manufacturer	Jiangsu Hanchu Energy Technology Co.,Ltd
Address	No.588, Jinhui Road, Huishan District, Wuxi City, Jiangsu Province, China
Technical characteristics	Refer to report for details

he submitted sample of the above equipment has been tested for CE marking according to following European

Directive and following standards:

RE Directive 2014/53/EU*

Standards	Report number	Report date
Article 3.1(a) Safety: (*)	-	
Article 3.1(a) Health: EN 50665:2017, EN IEC 62311:2020	BVKJ-ESH-P23121382B-4	12/27/2023
Article 3.1(b) EMC: EN 301 489-1 V2.2.3 (2019-11) EN 301 489-17 V3.2.4 (2020-09) EN 62920:2017+A11:2020, EN 62920:2017+A1:2021 EN 61000-6-1:2007, EN IEC 61000-6-1:2019 EN 61000-6-2:2005+AC:2005, EN IEC 61000-6-2:2019 EN 61000-6-3:2007+A1:2011+AC:2012, EN IEC 61000-6-3:2021 EN 61000-6-4:2007+A1:2011, EN IEC 61000-6-4:2019 EN 61000-2-2:2002+A1:2017, EN 61000-2-2:2002+A2:2019 EN 55011:2016+A1:2017, EN 55011:2016+A11:2020 EN 55011:2016+A2:2021 EN 61000-3-11:2000, EN IEC 61000-3-11:2019 EN 61000-3-2:2014, EN IEC 61000-3-2:2019+A1:2021 EN 61000-3-2:2014, EN IEC 61000-3-2:2019+A1:2021 EN 61000-3-3:2013+A1:2019, EN 61000-3-3:2013+A2:2021,	BVKJ-ESH-P23121382B-2 BVKJ-ESH-P23121382B-1	12/27/2023 12/27/2023
EN 61000-3-3:2013+A2:2021+AC:2022 Article 3.2 Radio: EN 300 328 V2.2.2 (2019-07)	BVKJ-ESH-P23121382B-3	12/27/2023

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Version: 4.0 / Nov.24, 2022

LCIE CHINA COMPANY LIMITED



(*) The safety part was declared by Manufacturer.

The referred test report(s) show that the product complies with standard(s) recognized as giving presumption of compliance with the

essential requirements in the specified European Directive

This verification does not imply assessment of the production of the product

The $C \in$ marking may be affixed if all relevant and effective European Directives with $C \in$ are applicable

Shanghai (P.R. China), Dec.27, 2023



Daniel SUN **Operation Manager**

americal

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Version: 4.0 / Nov.24, 2022



Appendix I: Detail technical Information of products

Model		HESS-HY-T -05K	HESS-HY-T -06K	HESS-HY-T -08K	HESS-HY-T -10K	HESS-HY-T -12K	
PV input	VMaxpv [Vdc]	1100					
	Iscpv [A]	30					
	MPP Voltage Range [Vdc]	150	150 - 950 200-950				
	Full Power MPP Voltage Range [Vdc]	250-850	290-850	350-850	380-850	450-850	
V in	Max. Input Current [A]		200 000	20			
P	Start PV Voltage [Vdc]	180					
	Back feed Current [A]	0					
	Overvoltage Category (OVC)	U					
	Battery voltage range[Vdc]	120 - 600					
tt	Max. charging / discharging power[kW]	5	6	8	10	12	
Battery input	Battery voltage range@nominal power[Vdc]	200-600	210-600	270-600	340-600	400-600	
Batte	Max. charging current / Max. discharging current [A]	30					
	Battery type	LiFePO4					
	Rated Output Voltage [Vac]		220 / 380 V,23	30 / 400 V,240 /	415 ,3L/N/PE		
	Rated Output Frequency [Hz]	50 / 60					
Ħ	Rated Output Power [kW]	5	6	8	10	12	
output	Max.Apparent Power [kVA]	5.5	6.6	8.8	11.0	13.2	
AC 0	Rated Output Current [A](@400V)	7.3	8.7	11.6	14.5	17.4	
¥	Max.Output Current [A](@400V)	8.0	9.6	12.8	16.0	19.2	
	Power Factor (coso)	1.0 (default), 0.80 lead, 0.80 lag					
	Overvoltage Category (OVC)						
ŧ	Rated Input Voltage [Vac]		220 / 380 V,23	30 / 400 V,240 /	415 ,3L/N/PE		
input	Rated Input Frequency [Hz]			50 / 60			
AC İ	Max. input power from grid [kW]	10	12	16	20	24	
4	Max. input current from grid[A]	14.5	17.4	23.2	29.0	34.8	
out	Nominal Output Voltage [Vac]	220 / 380 V,230 / 400 V,240 / 415 ,3L/N/PE					
output	Nominal Output Frequency [Hz]	50 /60					
EPS (Max. apparent power[kVA]	5	6	8	10	12	
Ш	Rated Current[A] (@400V)	7.3	8.7	11.6	14.5	17.4	
	Protective Class I						
	Enclosure Protection [IP]	IP66					
	Operating Temperature Range [°C]	-25 °C +60 °C					
	Pollution degree (PD)	PD 3					
N	Max. operating altitude [m]	3000					
SYSTEM	Acoustic Noise [dB]	< 60					
ς	Weight [Kg]	24.5					
	Size (W / H / D) [mm]	545 / 465 / 205					
	Firmware Version	Master DSP: 610-05001-00 Slave DSP: 610-60015-00 Safety: 610-11022-00					

1) For European market and Australian market, the max. apparent AC output power is equal to the rated power.

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Version: 4.0 / Nov.24, 2022

Page 3 of 5

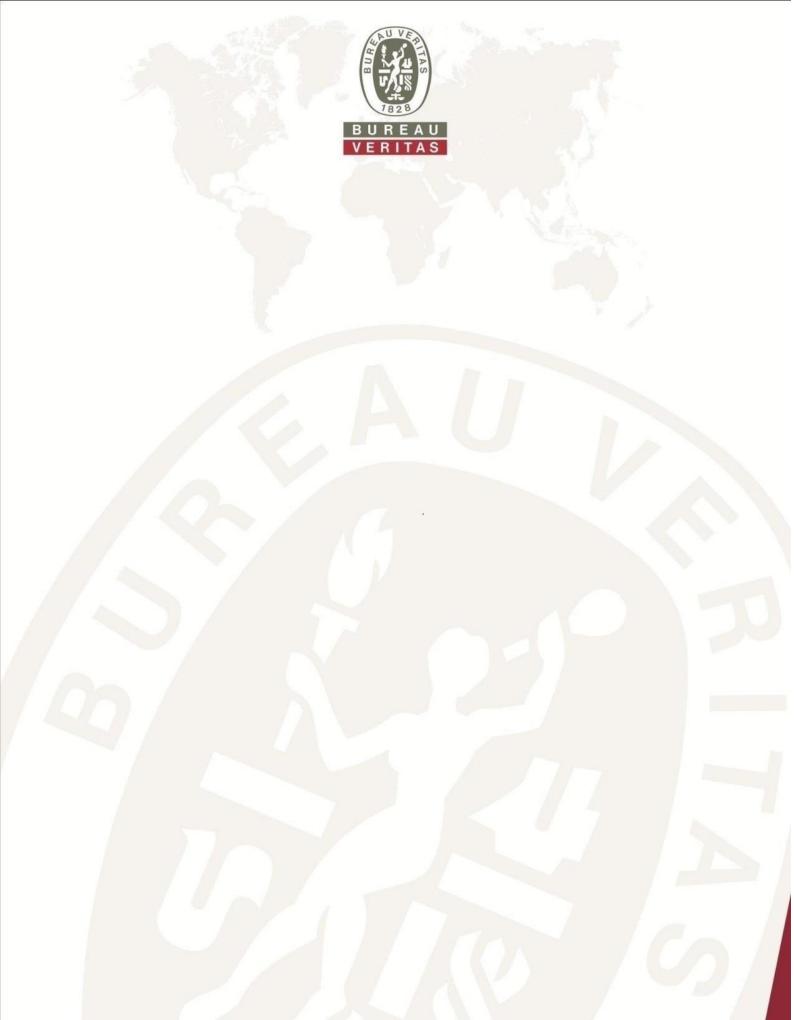


Model		HESS-HY-T1	HESS-HY-T1	HESS-HY-T1	HESS-HY-T1	HESS-HY-T1	
		-05K	-06K	-08K	-10K	-12K	
	VMaxpv [Vdc]			1100			
	Iscpv [A]	24					
ŧ	MPP Voltage Range [Vdc]	150 - 950 200-950					
PV input	Full Power MPP Voltage Range [Vdc]	180~850V	200~850V	250~850V	320~850V	380~850V	
	Max. Input Current [A]	16					
-	Start PV Voltage [Vdc]	180					
	Back feed Current [A]	0					
	Overvoltage Category (OVC)						
	Battery voltage range[Vdc]	120 - 600					
t	Max. charging / discharging	5	6	8	10	12	
d d	power[kW]		, v	Ů	10	12	
2	Battery voltage range@nominal	200-600	210-600	270-600	340-600	400-600	
Battery input	power[Vdc]	200 000	210 000	2.0000	010 000	400 000	
Ba	Max. charging current / Max.			30			
	discharging current [A]						
	Battery type Rated Output Voltage [Vac]		220/2001/2	LiFePO4 30 / 400 V,240 /			
	Rated Output Vollage [Vac]		2207 380 V,2	50 / 60	415,3L/N/PE		
+	Rated Output Prequency [H2]	5	6	50 / 60	10	12	
bu	Max.Apparent Power [kVA]	5.5	6.6	8.8	11.0	13.2	
output	Rated Output Current [A](@400V)	7.3	8.7	11.6	14.5	17.4	
AC	Max.Output Current [A](@400V)	8.0	9.6	12.8	14.5	19.2	
-	Power Factor (cosp)	8.0 9.6 12.8 16.0 19.2 1.0 (default), 0.80 lead, 0.80 lag					
	Overvoltage Category (OVC)		1.0 (ueia		0.60 lag		
	Rated Input Voltage [Vac]		220 / 280 V 2	30 / 400 V,240 /	415 31 /N/PE		
input	Rated Input Frequency [Hz]		2207 300 4,2	50 / 60	413,3DN/T C		
	Max. input power from grid [kW]	10	12	16	20	24	
AC	Max. input current from grid[A]	14.5	17.4	23.2	29.0	34.8	
Ħ	Nominal Output Voltage [Vac]	220 / 380 V,230 / 400 V,240 / 415 ,3L/N/PE				04.0	
output	Nominal Output Frequency [Hz]	2207 380 V,2307 400 V,2407 415 ,3L/N/FE 50 /60					
l o	Max. apparent power[kVA]	5	6	8	10	12	
EPS	Rated Current[A] (@400V)	11.6	14.5	11.6	14.5	17.4	
<u> </u>	Protective Class	11.0	14.5	11.0	14.5	17.4	
	Enclosure Protection [IP]	I IP66					
	Operating Temperature Range [°C]	-25 °C +60 °C					
	Pollution degree (PD)	-23 C +60 C PD 3					
Σ	Max. operating altitude [m]	3000					
STEM	Acoustic Noise [dB]	< 60					
YS.	Weight [Kg]	< 60 26					
Sγ	Size (W / H / D) [mm]	26 545 / 465 / 205					
	oleo (w/m/b/[mm]	545 / 465 / 205 Master DSP: 610-05001-00					
	Firmware Version	Slave DSP: 610-05001-00					
	Safety: 610-11022-00						

1) For European market and Australian market, the max. apparent AC output power is equal to the rated power.

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Version: 4.0 / Nov.24, 2022



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Version: 4.0 / Nov.24, 2022

Page 5 of 5