ATTESTATION ◆ ATTESTATO ◆ ATTESTACIÓN ◆ BESCHEINIGUNG ◆ ATTESTATION

Product Service

Compliance Document

No. D 127148 0019 Rev. 00

Holder of Certificate:	**Anker Innovations Limited** Unit 56, 8th Floor, Tower 2 Admiralty Centre, 18 Harcourt Road Central and Western District HONG KONG
Product:	**Converter** **(Hybrid Inverter with storage battery system)**
Model(s):	**Inverter models:** **X1-H3.68K-S, X1-H4.6K-S, X1-H5K-S, X1-H6K-S** **Battery system models:** **X1-B5-H, X1-B10-HC, X1-B15-HC, X1-B20-HC, X1-B25-HC, X1-B30-HC**
Parameters:	See page 2
Tested according to:	CEI 0-21:2022 CEI 0-21:2022/V1:2022 CEI 0-21:2022/V2:2024

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.: 64290243071401

Date, 2024-07-24

(Billy Qiu)

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Parameters:

Model	X1-H3.68K-S	X1-H4.6K-S	X1-H5K-S	X1-H6K-S
PV terminal parameters				
Maximum PV voltage [V_{DC}]	600			
Rated voltage [V_{DC}]	360			
MPPT voltage range [V_{DC}]	80-550			
MPPT voltage range (full load) [V_{DC}]	200-530			
Maximum input current [A_{DC}]	16/16			
Isc PV [A_{DC}]	20/20			
MPPT tracker number	2			
Maximum input power [W]	7360	9200	10000	12000
Battery input/output parameters				
Battery type	LFP			
Maximum voltage [V_{DC}]	550			
Battery rated voltage [V_{DC}]	400			
Battery voltage range [V_{DC}]	Charge: 390-550 / Discharge: 370-500			
Maximum charge power [W]	3680	4600	5000	6000
Maximum discharge power [W]	3680	4600	5000	6000
Maximum charge current [A_{DC}]	9.4	11.7	12.8	15.3
Maximum discharge current [A_{DC}]	9.9	12.4	15.1	16.2
Maximum charge power from grid to battery [W]	3680	4600	5000	6000
Grid terminal input parameters				
Rated input voltage [V_{AC}]	1P+N+PE, 230			
Rated input frequency [Hz]	50			
Maximum continuous input current from grid to battery [A_{AC}]	16.7	20.9	22.7	27.2
Maximum continuous input current [A_{AC}]	31.3	40.0	40.0	40.0
Maximum continuous input power from grid to battery [W]	3680	4600	5000	6000
Maximum continuous input active power [W]	3680	4600	5000	6000
Maximum continuous input apparent power [VA]	7200	10000	10000	10000
Power factor range	0.8 inductive to 0.8 capacitive			
Grid terminal output parameters				
Rated output voltage [V_{AC}]	1P+N+PE, 230			
Rated output frequency [Hz]	50			
Rated output current [A_{AC}]	16.0	20.0	21.7	26.0
Maximum continuous output current [A_{AC}]	18.1	22.7	25.0	30.0
Rated output active power [W]	3680	4600	5000	6000
Maximum output active power [W]	3680	4600	5000	6000
Maximum output apparent power [VA]	4000	5000	5500	6600
Power factor range	0.8 inductive to 0.8 capacitive			
Operation temperature range	-25°C to +60°C			
Storage temperature range	-30°C to +70°C			

Battery model parameters see below pages: 4

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	The following generators meet the requirements of CEI 0-21:2022				
Section A	Manufacturer	Anker Innovations Limited Unit 56, 8th Floor, Tower 2, Admiralty Centre, 18 Harcourt Road, Central and Western District, HONG KONG			
	Equipment type	Hybrid Inverter with storage battery system			
	Brand	Anker SOLIX			
	N. phases	☒ Single phase ☐ Three phase Frequency: 50Hz Voltage: 230V_{AC}			
	Primary energy used	☐ Solar ☒ Storage ☐ Wind ☐ Hydroelectric ☐ CHP ☐ Other:			
	Generator model	X1-H3.68K-S	X1-H4.6K-S	X1-H5K-S	X1-H6K-S
	Nominal power	3680 W	4600 W	5000 W	6000 W
	Apparent power	4000 VA	5000 VA	5500 VA	6600 VA
	The generator:	☐ is suitable for installation in systems with an output power of more than 11.08 kW ☒ is capable of limiting Idc to 0.5% of rated current: ☒ uses a DC-sensitive protection function ☐ uses a transformer operating at mains frequency			
Section B	Characteristics of the interface protection system				
	Manufacturer	Anker Innovations Limited			
	Model	X1-H3.68K-S, X1-H4.6K-S, X1-H5K-S, X1-H6K-S			
	Type	☒ Integrated ☐ Not integrated			
Section C	Characteristics of the static converter				
	Static converter model	X1-H3.68K-S	X1-H4.6K-S	X1-H5K-S	X1-H6K-S
	Manufacturer of the static converter	Anker Innovations Limited			
	Firmware version	V1.0.0.33, (ARM: V1.0.0.33, DSP: V1.0.0.26)			
	Rated converter power (P_{NINV})	3680 W	4600 W	5000 W	6000 W

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Section E	Characteristics of the Storage System (SdA)						
	Converter forming storage system						
	Converter Manufacturer	Anker Innovations Limited					
	Converter model	X1-H3.68K-S	X1-H4.6K-S	X1-H5K-S	X1-H6K-S		
	Battery forming storage system						
	Battery Manufacturer	Anker Innovations Limited					
	Battery system model	X1-B5-H	X1-B10-HC	X1-B15-HC	X1-B20-HC	X1-B25-HC	X1-B30-HC
	Capacity of battery[kWh]	5	10	15	20	25	30
	Remark: The Storage System parameters are referred to the report no: 64.290.24.30714.01						
	Typology	☒ Bidirectional ☐ Monodirectional					
	Batteries that can be used with the above static converters						
	Brand	Anker Innovations Limited					
	Technology	LFP					
	Models	X1-B5-H	X1-B10-HC	X1-B15-HC	X1-B20-HC	X1-B25-HC	X1-B30-HC
	CUS module (kWh)	5	10	15	20	25	30
	BMS firmware version	V0.0.1.43					
	N. of modules	1 piece	2 pieces	3 pieces	4 pieces	5 pieces	6 pieces
	Note	Batteries are not contained in the inverter and should be installed according to local regulations and in accordance with manufacturer's instruction.					
Section I	References of the laboratories that performed the tests and their test reports (RdP)						
	Chosen method	☒ Tests performed by an accredited laboratory					
	Test Reports (RdP)	Test report according to Annex A & Annex Bbis: 64.290.24.30714.01					
	Issued by	Testing lab: TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch					
	Accreditation No.	D-PL-19065-01-00					
	Accreditation body ref.	DAkkS					
Section M	Reference of the certification body						
	Certification Body	TÜV SÜD Product Service GmbH					
		DAkkS accreditation certificate D-ZE-11321-01-00 according to DIN EN ISO/IEC 17065:2013					