

Compliance Document

No. D 085769 0060 Rev. 00

Holder of Certificate: **SolaX Power Network Technology
(Zhejiang) Co., Ltd.**

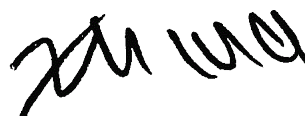
No. 288 Shizhu Road,
Tonglu Economic Development Zone
311500 Tonglu City, Zhejiang Province
PEOPLE'S REPUBLIC OF CHINA

Product: **Converter
Grid- Connected 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.: 64290203028701

Date, 2020-06-23



(Zhengdong Ma)

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Model(s):

X1-Hybrid-3.0-N-E, X1-Hybrid-3.0-N-I, X1-Hybrid-3.0-D-I, X1-Hybrid-3.0-N-C, X1-Hybrid-3.0-D-C, X1-Hybrid-3.0-D-E, X1-Hybrid-3.7-N-E, X1-Hybrid-3.7-N-I, X1-Hybrid-3.7-D-I, X1-Hybrid-3.7-N-C, X1-Hybrid-3.7-D-C, X1-Hybrid-3.7-D-E, X1-Hybrid-4.6-N-E, X1-Hybrid-4.6-N-I, X1-Hybrid-4.6-D-E, X1-Hybrid-4.6-D-I, X1-Hybrid-4.6-N-C, X1-Hybrid-4.6-D-C, X1-Hybrid-5.0-N-E, X1-Hybrid-5.0-N-I, X1-Hybrid-5.0-D-E, X1-Hybrid-5.0-D-I, X1-Hybrid-5.0-N-C, X1-Hybrid-5.0-D-C, X1-Fit-3.7E, X1-Fit-3.7I, X1-Fit-3.7C, X1-Fit-4.6E, X1-Fit-4.6I, X1-Fit-4.6C, X1-Fit-5.0E, X1-Fit-5.0I, X1-Fit-5.0C.

Parameters:

Model	X1-Hybrid-3.0-N-E, X1-Hybrid-3.0-N-I, X1-Hybrid-3.0-D-I, X1-Hybrid-3.0-D-E	X1-Hybrid-3.7-N-E, X1-Hybrid-3.7-N-I, X1-Hybrid-3.7-D-I, X1-Hybrid-3.7-D-E	X1-Hybrid-4.6-N-E, X1-Hybrid-4.6-N-I, X1-Hybrid-4.6-D-E, X1-Hybrid-4.6-D-I	X1-Hybrid-5.0-N-E, X1- Hybrid-5.0-N-I, X1-Hybrid- 5.0-D-E, X1-Hybrid-5.0-D-I
PV input				
Max. Input Voltage:	DC 600 V			
Min. MPP Voltage:	DC 125 V			
Max. MPP Voltage:	DC 550 V			
Max. Input Current(input A/input B):	DC 10 A/10 A			
Isc PV(input A/input B):	DC 14 A/14 A			
AC output				
Nominal AC voltage	AC 230 V			
Nominal AC frequency	50 Hz			
Max. continuous AC current	14,4 Aa.c.	16,0 Aa.c.	21,0 Aa.c.	21,7 Aa.c.
Nominal AC output apparent Power (@cos φ=1)	3000 VA	3680 VA	4600 VA	4999 VA(others) 4600 VA(@ VDE 4105)
Power factor range	0,8 leading – 0,8 lagging			
AC input				
Nominal AC voltage	230 Va.c.			
Nominal AC frequency	50 Hz			
Max. continuous AC current	14,4 Aa.c. (X1-Hybrid-3.0-N-E, X1-Hybrid-3.0-D-E); 36,1 Aa.c. (X1-Hybrid-3.0-N-I, X1-Hybrid-3.0-D-I)	16,0 Aa.c. (X1-Hybrid-3.7-N-E, X1-Hybrid-3.7-D-E); 37,7 Aa.c. (X1-Hybrid-3.7-N-I, X1-Hybrid-3.7-D-I)	21,0 Aa.c. (X1-Hybrid-4.6-N-E, X1-Hybrid-4.6-D-E);47,0 Aa.c. (X1-Hybrid-4.6-N-I, X1-Hybrid-4.6-D-I)	47,7 Aa.c. (X1-Hybrid-5.0-N-I, X1-Hybrid-5.0-D-I);21,7 Aa.c. (X1-Hybrid-5.0-N-E, X1-Hybrid-5.0-D-E)
Battery				
Battery type	Lithium			
Battery operation voltage	85 – 400 Vd.c.			
Max. charging and discharging current	20 A/20A			
EPS output				
Nominal voltage	230 Va.c.			
Nominal frequency	50 Hz			
Nominal apparent power	4000 VA	4000 VA	5000 VA	5000 VA
EPS rated current	17,4 Aa.c.	17,4 Aa.c.	21,7 Aa.c.	21,7 Aa.c.

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Model	X1-Hybrid-3.0-N-C, X1-Hybrid-3.0-D-C	X1-Hybrid-3.7-N-C, X1-Hybrid-3.7-D-C	X1-Hybrid-4.6-N-C, X1-Hybrid-4.6-D-C	X1-Hybrid-5.0-N-C, X1-Hybrid-5.0-D-C
PV input				
Max. Input Voltage:	DC 600 V			
Min. MPP Voltage:	DC 125 V			
Max. MPP Voltage:	DC 550 V			
Max. Input Current(input A/input B):	DC 10 A/10 A			
Isc PV(input A/input B)	DC 14 A/14 A			
AC output				
Nominal AC voltage	230 Va.c.			
Nominal AC frequency	50 Hz			
Max. continuous AC current	14,4 Aa.c.	16,0 Aa.c.	21,0 Aa.c.	21,7 Aa.c.
Nominal AC output apparent Power (@cos φ=1)	3000 VA	3680 VA	4600 VA	4999 VA(others) ; 4600 VA(@ VDE 4105)
Power factor range	0,8 leading – 0,8 lagging			
AC input				
Nominal AC voltage	230 Va.c.			
Nominal AC frequency	50 Hz			
Max. continuous AC current	14,4 Aa.c.	16,0 Aa.c.	21,0 Aa.c.	21,7 Aa.c.
Battery				
Battery type	Lithium			
Battery operation voltage	85 – 400 Vd.c.			
Max. charging and discharging current	20 A/20A			

Model	X1-Fit-5.0C	X1-Fit-4.6C	X1-Fit-3.7C
AC output			
Nominal AC voltage	230 Va.c.		
Nominal AC frequency	50 Hz		
Max. continuous AC current	21,7 Aa.c.	21,0 Aa.c.	16,0 Aa.c.
Nominal AC apparent Power (@cos φ=1)	4999 VA	4600 VA	3680 VA
Power factor at rated power	1		
Power factor range	0,8 leading – 0,8 lagging		
AC input			
Nominal AC voltage	230 Va.c.		
Nominal AC frequency	50 Hz		
Max. continuous AC current	21,7 Aa.c.	21,0 Aa.c.	16,0 Aa.c.
Battery			
Battery type	Lithium		
Battery Operation Voltage	85 – 400 Vd.c.,		
Max. charging and discharging current	20 Ad.c./ 20 Ad.c.		

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Model	X1-Fit-5.0E	X1-Fit-4.6E	X1-Fit-3.7E
AC output			
Nominal AC voltage	230 Va.c.		
Nominal AC frequency	50 Hz		
Max, continuous AC current	21,7 Aa.c.	21,0 Aa.c.	16,0 Aa.c.
Nominal AC apparent Power (@cos φ=1)	4999 VA	4600 VA	3680 VA
Power factor at rated power	1		
Power factor range	0,8 leading – 0,8 lagging		
AC input			
Nominal AC voltage	230 Va.c.		
Nominal AC frequency	50 Hz		
Max, continuous AC current	21,7 Aa.c.	21,0 Aa.c.	16,0 Aa.c.
Battery			
Battery type	Lithium		
Battery Operation Voltage	85 – 400 Vd.c.		
Max, charging and discharging current	20 Ad.c./ 20 Ad.c.		
EPS output			
Nominal voltage	230 Va.c.		
Nominal frequency	50 Hz		
Nominal apparent power	5000 VA	5000 VA	4000 VA
EPS Rated current	21,7 Aa.c.	21,7 Aa.c.	17,4 Aa.c.

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Model	X1-Fit-5.0l	X1-Fit-4.6l	X1-Fit-3.7l
AC output			
Nominal AC voltage	230 Va.c.		
Nominal AC frequency	50 Hz		
Max, continuous AC current	21,7 Aa.c.	21,0 Aa.c.	16,0 Aa.c.
Nominal AC apparent Power (@cos φ=1)	4999 VA	4600 VA	3680 VA
Power factor at rated power	1		
Power factor range	0,8 leading – 0,8 lagging		
AC input			
Nominal AC voltage	230 Va.c.		
Nominal AC frequency	50 Hz		
Max, continuous AC current	21,7 Aa.c.	21,0 Aa.c.	16,0 Aa.c.
Battery			
Battery type	Lithium		
Battery Operation Voltage	85 – 400 Vd,c,		
Max, charging and discharging current	20 Ad.c./ 20 Ad.c.		
EPS output			
Nominal voltage	230 Va.c.		
Nominal frequency	50 Hz		
Nominal apparent power	5000 VA	5000 VA	4000 VA
EPS Rated current	21,7 Aa.c.	21,7 Aa.c.	17,4 Aa.c.

DISCONNECTION DEVICE	INTERFACE PROTECTION DEVICE	DEVICE FOR STATIC CONVERSION	ROTATING GENERATOR DEVICE
X	X	X	

Battery voltage operation range: 85-400 Vd.c.

Nominal AC grid voltage: 230V

Nominal AC grid frequency: 50 Hz

Battery Factory : SolaX Power Network Technology (Zhejiang) Co., Ltd.

Battery model: T-BAT H 5.8, T-BAT H 11.5, T-BAT H 17.3

Firmware version of the inverter: DSP1: 2.07, DSP2: 2.01, ARM:2.03

Having assessed the test report:

64.290.20.30287.01 dated 22.06.2020

**Tested
according to:**

CEI 021:2019