



Germanischer Lloyd Industrial Services GmbH • Brooktorkai 18• 20457 Hamburg

Solax Power Network Technology (Zhejiang) Co., Ltd.  
No.288,Shizhu Road, Tonglu  
Economic Development Zone,  
Tonglu City, Zhejiang Province,  
310000 P. R. CHINA

DNV – Energy Systems  
Germanischer Lloyd Industrial  
Services GmbH  
Brooktorkai 18  
20457 Hamburg  
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**Date:** / *Data*      **Our reference:** / *Ref.*  
2021-07-28      DNV/BerHin

### Certification body declaration / *Deklaracja jednostki certyfikującej*

To whom it may concern: / *Do wszystkich zainteresowanych*

DNV is currently in a process of issuing certificates for the following equipment: /  
*DNV rozpoczęło proces certyfikacji dla następujących urządzeń:*

<b>Series / <i>Seria</i></b>	<b>Models / <i>Modele</i></b>	<b>Certificate type / <i>Typ certyfikatu</i></b>
X1-AIR	X1-2.5-S-D(L) X1-2.5-S-N(L) X1-3.0-S-D(L) X1-3.0-S-N(L) X1-3.3-S-D(L) X1-3.3-S-N(L)	Type A
X1-BOOST	X1-3.0-T-D(L) X1-3.0-T-N(L) X1-3.3-T-D(L) X1-3.3-T-N(L) X1-3.6-T-D(L) X1.3.6-T-N(L) X1-4.2-T-D(L) X1-4.2-T-N(L) X1-4.6-T-D(L) X1-4.6-T-N(L) X1-5.0-T-D(L) X1-5.0-T-N(L)	Type A
X3-MIC	X3-4.0-T-D X3-4.0-T-N X3-4.0-S-D X3-4.0-S-N X3-5.0-T-D X3-5.0-T-N X3-5.0-S-D X3-5.0-S-N X3-6.0-T-D X3-6.0-T-N X3-7.0-T-D X3-7.0-T-N X3-8.0-T-D X3-8.0-T-N X3-9.0-T-D X3-9.0-T-N X3-10.0-T-D X3-10.0-T-N	Type A

Series / <i>Seria</i>	Models / <i>Modele</i>	Certificate type / <i>Typ certyfikatu</i>
X3-PRO	X3-8.0P-T-D X3-8.0P-T-N X3-10.0P-T-D X3-10.0P-T-N X3-12.0P-T-D X3-12.0P-T-N X3-15.0P-T-D X3-15.0P-T-N	Type A

The listed equipment is scheduled for testing regime and assessment of conformity.

Ustalono harmonogram przeprowadzenie testów oraz oceny zgodności dla wyżej wymienionych urządzeń.

The assessment is based on the following: / *Ocena opiera się na poniższych przepisach:*

- /A/ Service Specification DNVGL-SE-0124: Certification of Grid Code Compliance, DNV GL, March 2016  
/ Program certyfikacji DNVGL-SE-0124: Certyfikacja Zgodności z Kodeksem Sieci, DNV GL, marzec 2016 r.
- /B/ Conditions and procedures for using certificates in the process of connecting power generating modules to power networks, / *Warunki i procedury wykorzystania certyfikatów w procesie przyłączenia modułów wytwarzania energii do sieci elektroenergetycznych*, version/wersja 1.2, PTPIREE, 2021-04-28
- /C/ Requirements of general application resulting from Commission Regulation (EU) 2016/631 of 14 April 2016 establishing a network code on requirements for grid connection of generators (NC RfG) – as approved by the decision of the President of the Energy Regulatory Office DRE.WOSE.7128.550.2.2018.ZJ dated January 2nd 2019, / *Wymogi ogólnego stosowania wynikające z Rozporządzenia Komisji (UE) 2016/631 z dnia 14 kwietnia 2016 r. ustanawiającego kodeks sieci dotyczący wymogów w zakresie przyłączenia jednostek wytwórczych do sieci (NC RfG)*, PSE S.A., 2018-12-18 zatwierdzone Decyzją Prezesa Urzędu Regulacji Energetyki DRE.WOSE.7128.550.2.2018.ZJ z dnia 2 stycznia 2019 r, (PSE 2018-12)
- /D/ Commission Regulation (EU) 2016/631 of 14 April 2016 establishing a network code on requirements for grid connection of generators, published in the Official Journal of the European Union L112/1, THE EUROPEAN COMMISSION, 27/04/2016. (NC RfG) / *Rozporządzenie Komisji (UE) 2016/631 z dnia 14 kwietnia 2016 r. ustanawiające kodeks sieci dotyczący wymogów w zakresie przyłączenia jednostek wytwórczych do sieci*, opublikowane w Dzienniku Urzędowym Unii Europejskiej L112/1, KOMISJA EUROPEJSKA, 27/04/2016. (NC RfG)

DNV is accredited certification body according to /D/, art. 2, 46 under accreditation **D-ZE-11053-01-00**.

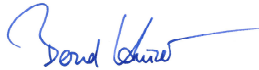
DNV jest akredytowaną jednostką certyfikującą zgodnie z /D/, art. 2, 46 w ramach akredytacji **D-ZE-11053-01-00**.

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The certification process of mentioned equipment concerns the confirmation of compliance with the NC RfG code /D/ and "Requirements of general application resulting from Commission Regulation (EU) 2016/631 of 14 April 2016 establishing a network code on requirements for grid connection of generators (NC RfG)" /C/, basing on the certification programme /A/, which is in accordance with "Conditions and procedures for using certificates in the process of connecting power generating modules to power networks" /B/

Proces certyfikacji wspomnianego sprzętu dotyczy potwierdzenia zgodności z kodeksem sieci NC RfG /D/ oraz Wymogami ogólnego stosowania wynikające z Rozporządzenia Komisji (UE) 2016/631 z dnia 14 kwietnia 2016 r. ustanawiającego kodeks sieci dotyczący wymagań w zakresie przyłączenia jednostek wytwórczych do sieci (NC RfG) /C/, w oparciu o program certyfikacji /A/, który jest zgodny z dokumentem "Warunki i procedury wykorzystania certyfikatów w procesie przyłączenia modułów wytwarzania energii do sieci elektroenergetycznych"/B/

Sincerely / z poważaniem  
on behalf of / w imieniu  
Germanischer Lloyd Industrial Services GmbH



Digitally signed by  
Hinzer, Bernd  
Date: 2021.07.28  
07:43:03 +02'00'

Bernd Hinzer  
Head of Section Grid Code Compliance / Szef sekcji ds. Zgodności z Kodeksem Sieci

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Mobile: +49(0)172-350 3456 / telefon

# ATTESTATION OF CONFORMITY

Issued to: SolaX Power Network Technology (Zhejiang) Co., Ltd.  
No. 288 Shizhu Road, Tonglu Economic Development Zone, Dongxing District  
311500, Tonglu City, Zhejiang Province, China

For the product: Grid-connected PV inverter



Trade name:

Type/Model: X1-2.5-S-D(L), X1-2.5-S-D(O), X1-2.5-S-N(L), X1-2.5-S-N(O)  
X1-3.0-S-D(L), X1-3.0-S-D(O), X1-3.0-S-N(L), X1-3.0-S-N(O)  
X1-3.3-S-D(L), X1-3.3-S-D(O), X1-3.3-S-N(L), X1-3.3-S-N(O)

Ratings: See Annex

Manufactured by: SolaX Power Network Technology (Zhejiang) Co., Ltd.  
No. 288 Shizhu Road, Tonglu Economic Development Zone, Dongxing District  
311500, Tonglu City, Zhejiang Province, China

Requirements: EN 50549-1:2019 (Requirements for Type A Generating Units)

This Attestation is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no. 6059072.51

The examination has been carried out on one single specimen or several specimens of the product, submitted by the manufacturer. The Attestation does not include an assessment of the manufacturer's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

Arnhem, 2 December 2019

Number: 6059072.02AOC

DEKRA Testing and Certification (Shanghai) Ltd.

Kreny Lin  
Certification Manager

A handwritten signature in black ink, appearing to read 'Kreny Lin'.

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**Annex to 6059072.02AOC**

Ratings of the test product:

X1-2.5-S-D(L), X1-2.5-S-D(O), X1-2.5-S-N(L), X1-2.5-S-N(O):

PV input: Max. 600 Vdc, MPPT voltage range: 70-580 Vdc, max 10 A, Isc PV: 12 A

Output: 230 Vac, 50 Hz, 2500 VA, max 12 A

X1-3.0-S-D(L), X1-3.0-S-D(O), X1-3.0-S-N(L), X1-3.0-S-N(O):

PV input: Max. 600 Vdc, MPPT voltage range: 70-580 Vdc, max 10 A, Isc PV: 12 A

Output: 230 Vac, 50 Hz, 3000 VA, max 14 A

X1-3.3-S-D(L), X1-3.3-S-D(O), X1-3.3-S-N(L), X1-3.3-S-N(O):

PV input: Max. 600 Vdc, MPPT voltage range: 70-580 Vdc, max 10 A, Isc PV: 12 A

Output: 230 Vac, 50 Hz, 3300 VA, max 15 A

# ATTESTATION OF CONFORMITY

Issued to: SolaX Power Network Technology (Zhejiang) Co., Ltd.  
No. 288 Shizhu Road, Tonglu Economic Development Zone, Dongxing District  
311500, Tonglu City, Zhejiang Province, China

For the product: Grid-connected PV inverter



Trade name:

Type/Model: X1-3.0-T-D(L), X1-3.0-T-D(O), X1-3.0-T-N(L), X1-3.0-T-N(O)  
X1-3.3-T-D(L), X1-3.3-T-D(O), X1-3.3-T-N(L), X1-3.3-T-N(O)  
X1-3.6-T-D(L), X1-3.6-T-D(O), X1-3.6-T-N(L), X1-3.6-T-N(O)  
X1-4.2-T-D(L), X1-4.2-T-D(O), X1-4.2-T-N(L), X1-4.2-T-N(O)  
X1-4.6-T-D(L), X1-4.6-T-D(O), X1-4.6-T-N(L), X1-4.6-T-N(O)  
X1-5.0-T-D(L), X1-5.0-T-D(O), X1-5.0-T-N(L), X1-5.0-T-N(O)

Ratings: See Annex

Manufactured by: SolaX Power Network Technology (Zhejiang) Co., Ltd.  
No. 288 Shizhu Road, Tonglu Economic Development Zone, Dongxing District  
311500, Tonglu City, Zhejiang Province, China

Requirements: EN 50549-1:2019 (Requirements for Type A Generating Units)

This Attestation is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no 6059072.50.

The examination has been carried out on one single specimen or several specimens of the product, submitted by the manufacturer. The Attestation does not include an assessment of the manufacturer's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

Arnhem, 2 December 2019

Number: 6059072.01AOC

DEKRA Testing and Certification (Shanghai) Ltd.

Kreny Lin  
Certification Manager

A handwritten signature in black ink, appearing to read 'Kreny Lin'.

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**Annex to 6059072.01AOC**

Ratings of the test product:

X1-3.0-T-D(L), X1-3.0-T-D(O), X1-3.0-T-N(L), X1-3.0-T-N(O):

PV input: Max. 600 Vdc, MPPT voltage range: 70-580 Vdc, max 12 A/12 A, I<sub>sc</sub> PV: 12.8 A/12.8 A

Output: 230 Vac, 50 Hz, 3000 VA, max 14 A

X1-3.3-T-D(L), X1-3.3-T-D(O), X1-3.3-T-N(L), X1-3.3-T-N(O):

PV input: Max. 600 Vdc, MPPT voltage range: 70-580 Vdc, max 12 A/12 A, I<sub>sc</sub> PV: 12.8 A/12.8 A

Output: 230 Vac, 50 Hz, 3300 VA, max 15 A

X1-3.6-T-D(L), X1-3.6-T-D(O), X1-3.6-T-N(L), X1-3.6-T-N(O):

PV input: Max. 600 Vdc, MPPT voltage range: 70-580 Vdc, max 12 A/12 A, I<sub>sc</sub> PV: 12.8 A/12.8 A

Output: 230 Vac, 50 Hz, 3680 VA, max 16.8 A

X1-4.2-T-D(L), X1-4.2-T-D(O), X1-4.2-T-N(L), X1-4.2-T-N(O):

PV input: Max. 600 Vdc, MPPT voltage range: 70-580 Vdc, max 12 A/12 A, I<sub>sc</sub> PV: 12.8 A/12.8 A

Output: 230 Vac, 50 Hz, 4200 VA, max 19 A

X1-4.6-T-D(L), X1-4.6-T-D(O), X1-4.6-T-N(L), X1-4.6-T-N(O):

PV input: Max. 600 Vdc, MPPT voltage range: 70-580 Vdc, max 12 A/12 A, I<sub>sc</sub> PV: 12.8 A/12.8 A

Output: 230 Vac, 50 Hz, 4600 VA, max 21 A

X1-5.0-T-D(L), X1-5.0-T-D(O), X1-5.0-T-N(L), X1-5.0-T-N(O):

PV input: Max. 600 Vdc, MPPT voltage range: 70-580 Vdc, max 12 A/12 A, I<sub>sc</sub> PV: 12.8 A/12.8 A

Output: 230 Vac, 50 Hz, 4999 VA, max 22.7A