



SolaX Power Network Technology (Zhejiang) Co., Ltd.  
No.288, Shizhu Road, Tonglu Economic Development Zone,  
Tonglu City, Zhejiang Province, 310000 P. R. CHINA  
Tel. +86 571 56260011  
[www.solaxpower.com](http://www.solaxpower.com) - [info@solaxpower.com](mailto:info@solaxpower.com)

**Dichiarazione di conformità alle prescrizioni della Norma CEI 0-21**  
*Declaration of conformity to the requirements of the standard CEI 0-21*

**TIPOLOGIA DEL SISTEMA DI ACCUMULO CUI SI RIFERISCE LA DICHIARAZIONE:**  
*TYPE OF STORAGE SYSTEM TO WHICH THIS DECLARATION REFERS:*

| DISPOSITIVO DI<br>INTERFACCIA<br><i>INTERFACE<br/>DEVICE</i> | PROTEZIONE DI INTERFACCIA<br><i>INTERFACE PROTECTION</i> | DISPOSITIVO DI<br>CONVERSIONE<br>STATICA<br><i>STATIC<br/>CONVERSION<br/>DEVICE</i> | DISPOSITIVO DI<br>GENERAZIONE<br>ROTANTE<br><i>ROTARY<br/>GENERATING<br/>DEVICE</i> |
|--------------------------------------------------------------|----------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Sì/Yes                                                       | Sì/Yes                                                   | Sì/Yes                                                                              | No                                                                                  |

| COSTRUTTORE:<br><i>MANUFACTURER</i>                                                                                                                                                   | MODELLO DI INVERTER:<br><i>INVERTER MODEL</i> | VERSIONE<br>FIRMWARE:<br><i>FIRMWARE<br/>VERSION:</i> | NUMERO DI<br>FASI<br><i>(monofase/trifa<br/>se)</i> | POTENZA<br>NOMINALE: <i>RATED<br/>POWER [W]</i> |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|-------------------------------------------------|
| SolaX Power<br>Network Technology<br>(Zhejiang) Co., Ltd.<br>No.288, Shizhu Road,<br>Tonglu Economic<br>Development Zone,<br>Tonglu City, Zhejiang<br>Province, 310000<br>P. R. CHINA | X3-AELIO-49.9K                                | Master: 1.00<br>Manager: 1.00                         | <b>Trifase</b><br><i>Three-phase</i>                | 49900                                           |
|                                                                                                                                                                                       | X3-AELIO-49.9K-P                              |                                                       |                                                     | 49900                                           |
|                                                                                                                                                                                       | X3-AELIO-50K                                  |                                                       |                                                     | 50000                                           |
|                                                                                                                                                                                       | X3-AELIO-60K                                  |                                                       |                                                     | 60000                                           |
|                                                                                                                                                                                       | X3-AELIO-61K                                  |                                                       |                                                     | 61000                                           |

**Gli inverter suddetti sono certificati in combinazione con una delle seguenti opzioni di Batteria al Litio:**  
*The inverters here above listed are certified according with one of the following options of Lithium Battery:*

| COSTRUTTORE:<br><i>MANUFACTURER</i> | MODELLO DEL BMS<br><i>BMS MODUL MODEL</i> | MODELLO MODULO<br>BATTERIA<br><i>BATTERY MODUL MODEL</i> | Capacità del sistema di accumulo (CUS)<br>[Wh]<br><i>Storage system capacity (CUS) [Wh]</i> |
|-------------------------------------|-------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------------|
| SolaX Power                         | T-BAT SYS-HV                              | TB-HR140                                                 | <b>n. di moduli batteria x 1430</b><br><i>n. of battery modules x 1430</i>                  |

**NOTA: Il dispositivo è in grado di limitare la I<sub>dc</sub> allo 0,5% della corrente nominale.**  
*REMARK: The device is capable to limit I<sub>dc</sub> to 0,5% of the rated current*



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[www.solaxpower.com](http://www.solaxpower.com) - [info@solaxpower.com](mailto:info@solaxpower.com)

Esaminati i Fascicoli Prove n°CN241IKL 001, emessi dal laboratorio TÜV Rheinland Italia Srl con accreditamento CNAS N. L3038.

Ai sensi dell'articolo 76 del DPR 28 Dicembre 2000, n° 445, il sottoscritto Li Xinfu, in qualità di legale rappresentante di SolaX Power Co. Ltd, 288 Shizhu Rd. Tonglu, Zhejiang Province, China, dichiara che il prodotto indicato è conforme alle prescrizioni CEI 0-21:2022-03, CEI 0-21;V1:2022-11 e CEI 0-21;V2:2024-01.

*Taken into account test report No. CN241IKL 001 issued by test lab TÜV Rheinland Italia Srl with CNAS accreditation (No. L3038).*

*According with the article 76 of Italian DPR 28 December 2000, n° 445, the undersigned Li Xinfu, as legal representative of SolaX Power Network Technology (Zhejiang) Co., Ltd., 288 Shizhu Rd. Tonglu, Zhejiang Province, China, herewith declare that the product complies with the requirements of CEI 0-21:2022-03, CEI 0-21;V1:2022-11 e CEI 0-21;V2:2024-01.*

DATA 5/9/2024  
DATE 5/9/2024

FIRMA LEGALE RAPPRESENTANTE  
SIGNATURE LEGAL REPRESENTATIVE  
Li Xinfu

**浙江艾罗网络能源技术股份有限公司**  
**SOLAX POWER NETWORK TECHNOLOGY ( ZHEJIANG) CO., LTD.**

# CERTIFICATE of Conformity



Registration No.: A3 50644899 0001

Report No.: CN241IKL 001

**Holder:** SolaX Power Network Technology  
(Zhejiang) Co., Ltd.  
No.278, Shizhu Road,  
Chengnan Sub-district, Tonglu County,  
Hangzhou,  
Zhejiang  
P.R. China

**Product:** PV-Inverter  
(Hybrid Inverter With Storage Battery System) ®

**Identification:** Type Designation : X3-AELIO-49.9K X3-AELIO-49.9K-P  
X3-AELIO-50K X3-AELIO-60K  
X3-AELIO-61K  
Serial Number : 10H1S001030105  
Continued on page 0002

**Tested acc. to:** CEI 0-21:2022-03  
CEI 0-21;V1:2022-11  
CEI 0-21;V2:2024-01

The certificate of conformity refers to the above mentioned product. This is to certify that the specimen is in conformity with the assessment requirement mentioned above. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.

Durch die DAkkS nach  
DIN EN ISO/IEC 17065:2013  
akkreditierte Zertifizierungsstelle.  
Die Akkreditierung gilt nur für den in der  
Urkundenanlage D-ZE-14169-01-02  
aufgeführten Akkreditierungsumfang.

Certification Body

Date 04.09.2024

A. Chen

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg



# CERTIFICATE of Conformity



Registration No.: A3 50644899 0002

Report No.: CN241IKL 001

**Holder:** SolaX Power Network Technology  
(Zhejiang) Co., Ltd.  
No.278, Shizhu Road,  
Chengnan Sub-district, Tonglu County,  
Hangzhou,  
Zhejiang  
P.R. China

**Product:** PV-Inverter  
(Hybrid Inverter With Storage Battery System) ®

**Identification:** As page 0001 continuation  
Firmware Version : Inverter: Master: 1.00 Manger: 1.00  
Battery system: BMU: R140V\_001.R01  
CSC: R140CV\_002.R00  
HVU: R140SV\_001.R00  
Remark(s) : Refer to report CN241IKL 001 for details.

**Tested acc. to:** CEI 0-21:2022-03  
CEI 0-21;V1:2022-11  
CEI 0-21;V2:2024-01

The certificate of conformity refers to the above mentioned product. This is to certify that the specimen is in conformity with the assessment requirement mentioned above. This certificate does not imply assessment of the production of the product and does not permit the use of a TÜV Rheinland mark of conformity.

Durch die DAkkS nach  
DIN EN ISO/IEC 17065:2013  
akkreditierte Zertifizierungsstelle.  
Die Akkreditierung gilt nur für den in der  
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aufgeführten Akkreditierungsumfang.

Certification Body

Date 04.09.2024

  
A. Chen

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg



**OGGETTO:** Dichiarazione di conformita alla normative CEI 0-21:2022-03, CEI 0-21;V1:2022-11 e CEI 0-21;V2:2024-01  
“Regola tecnica di riferimento per la connessione di Utenti attivi e passivi alle reti BT delle imprese distributrici di energia elettrica”  
**SUBJECT:** Declaration of Conformity to CEI 0-21:2022-03, CEI 0-21;V1:2022-11 and CEI 0-21;V2:2024-01  
“Reference technical rules for the connection of active and passive users to the LV electrical Utilities”

Certificate No.: A3 50644899 0001-0002

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**TIPOLOGIA DI APPARATO A CUI SI RIFERISCE LA DICHIARAZIONE:**  
TYPE OF APPARATUS WHICH THE DECLARATION IS REFERED TO:

| DISPOSITIVO DI INTERFACCIA<br>Interface Device | PROTEZIONE DI INTERFACCIA<br>Interface Protection Device | DISPOSITIVO DI CONVERSIONE STATICA<br>Static Conversion Device | DISPOSITIVO DI GENERAZIONE ROTANTE<br>Rotating Device |
|------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------------|-------------------------------------------------------|
| <input checked="" type="checkbox"/>            | <input checked="" type="checkbox"/>                      | <input checked="" type="checkbox"/>                            | <input type="checkbox"/>                              |

Titolare della licenza  
License Holder

SolaX Power Network Technology (Zhejiang) Co., Ltd.  
No.278, Shizhu Road, Chengnan Sub-district, Tonglu County, Hangzhou, Zhejiang, China

Modello/Tipo  
Model/Type

X3-AELIO-49.9K, X3-AELIO-49.9K-P with storage battery system TB-HR140

|                                                                                 |       |      |       |       |       |       |       |       |       |       |
|---------------------------------------------------------------------------------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| Potenza Attiva Nominata (P <sub>NINV</sub> )<br>Nominal Power [W]               | 49900 |      |       |       |       |       |       |       |       |       |
| Max. Potenza Apparente (S <sub>MAX</sub> )<br>Maximum Apparent Power [VA]       | 49999 |      |       |       |       |       |       |       |       |       |
| Numero di unità batteria<br>Number of battery unit                              | 5     | 6    | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    |
| Potenza di Scarica Massima (P <sub>Smax</sub> )*<br>Maximum Discharge Power [W] | 31.6  | 42.7 | 49.9  | 49.9  | 49.9  | 49.9  | 49.9  | 49.9  | 49.9  | 49.9  |
| Potenza di Carica massima (P <sub>Cmax</sub> )*<br>Maximum charging power [W]   | 35.7  | 48.5 | 49.9  | 49.9  | 49.9  | 49.9  | 49.9  | 49.9  | 49.9  | 49.9  |
| Capacità della batteria<br>Capacity of battery [kWh]                            | 71.5  | 85.8 | 100.1 | 114.4 | 128.7 | 143.0 | 157.3 | 171.6 | 185.9 | 200.2 |

Modello/Tipo  
Model/Type

X3-AELIO-50K with storage battery system TB-HR140

|                                                                                 |       |      |       |       |       |       |       |       |       |       |
|---------------------------------------------------------------------------------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| Potenza Attiva Nominata (P <sub>NINV</sub> )<br>Nominal Power [W]               | 50000 |      |       |       |       |       |       |       |       |       |
| Max. Potenza Apparente (S <sub>MAX</sub> )<br>Maximum Apparent Power [VA]       | 55000 |      |       |       |       |       |       |       |       |       |
| Numero di unità batteria<br>Number of battery unit                              | 5     | 6    | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    |
| Potenza di Scarica Massima (P <sub>Smax</sub> )*<br>Maximum Discharge Power [W] | 31.6  | 42.7 | 50    | 50    | 50    | 50    | 50    | 50    | 50    | 50    |
| Potenza di Carica massima (P <sub>Cmax</sub> )*<br>Maximum charging power [W]   | 35.7  | 48.5 | 50    | 50    | 50    | 50    | 50    | 50    | 50    | 50    |
| Capacità della batteria<br>Capacity of battery [kWh]                            | 71.5  | 85.8 | 100.1 | 114.4 | 128.7 | 143.0 | 157.3 | 171.6 | 185.9 | 200.2 |



**OGGETTO:** Dichiarazione di conformita alla normative CEI 0-21:2022-03, CEI 0-21;V1:2022-11 e CEI 0-21;V2:2024-01  
“Regola tecnica di riferimento per la connessione di Utenti attivi e passivi alle reti BT delle imprese distributrici di energia elettrica”  
**SUBJECT:** Declaration of Conformity to CEI 0-21:2022-03, CEI 0-21;V1:2022-11 and CEI 0-21;V2:2024-01  
“Reference technical rules for the connection of active and passive users to the LV electrical Utilities”

Certificate No.: A3 50644899 0001-0002

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**TIPOLOGIA DI APPARATO A CUI SI RIFERISCE LA DICHIARAZIONE:**  
TYPE OF APPARATUS WHICH THE DECLARATION IS REFERED TO:

| DISPOSITIVO DI INTERFACCIA<br>Interface Device | PROTEZIONE DI INTERFACCIA<br>Interface Protection Device | DISPOSITIVO DI CONVERSIONE STATICA<br>Static Conversion Device | DISPOSITIVO DI GENERAZIONE ROTANTE<br>Rotating Device |
|------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------------|-------------------------------------------------------|
| <input checked="" type="checkbox"/>            | <input checked="" type="checkbox"/>                      | <input checked="" type="checkbox"/>                            | <input type="checkbox"/>                              |

Titolare della licenza  
License Holder

SolaX Power Network Technology (Zhejiang) Co., Ltd.  
No.278, Shizhu Road, Chengnan Sub-district, Tonglu County, Hangzhou, Zhejiang, China

|                                                                                 |                                                   |      |       |       |       |       |       |       |       |       |
|---------------------------------------------------------------------------------|---------------------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| Modello/Tipo<br>Model/Type                                                      | X3-AELIO-60K with storage battery system TB-HR140 |      |       |       |       |       |       |       |       |       |
| Potenza Attiva Nominata (P <sub>NINV</sub> )<br>Nominal Power [W]               | 60000                                             |      |       |       |       |       |       |       |       |       |
| Max. Potenza Apparente (S <sub>MAX</sub> )<br>Maximum Apparent Power [VA]       | 66000                                             |      |       |       |       |       |       |       |       |       |
| Numero di unità batteria<br>Number of battery unit                              | 5                                                 | 6    | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    |
| Potenza di Scarica Massima (P <sub>Smax</sub> )*<br>Maximum Discharge Power [W] | 31.6                                              | 42.7 | 55.5  | 60    | 60    | 60    | 60    | 60    | 60    | 60    |
| Potenza di Carica massima (P <sub>Cmax</sub> )*<br>Maximum charging power [W]   | 35.7                                              | 48.5 | 60    | 60    | 60    | 60    | 60    | 60    | 60    | 60    |
| Capacità della batteria<br>Capacity of battery [kWh]                            | 71.5                                              | 85.8 | 100.1 | 114.4 | 128.7 | 143.0 | 157.3 | 171.6 | 185.9 | 200.2 |

|                                                                                 |                                                   |      |       |       |       |       |       |       |       |       |
|---------------------------------------------------------------------------------|---------------------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| Modello/Tipo<br>Model/Type                                                      | X3-AELIO-61K with storage battery system TB-HR140 |      |       |       |       |       |       |       |       |       |
| Potenza Attiva Nominata (P <sub>NINV</sub> )<br>Nominal Power [W]               | 61000                                             |      |       |       |       |       |       |       |       |       |
| Max. Potenza Apparente (S <sub>MAX</sub> )<br>Maximum Apparent Power [VA]       | 66000                                             |      |       |       |       |       |       |       |       |       |
| Numero di unità batteria<br>Number of battery unit                              | 5                                                 | 6    | 7     | 8     | 9     | 10    | 11    | 12    | 13    | 14    |
| Potenza di Scarica Massima (P <sub>Smax</sub> )*<br>Maximum Discharge Power [W] | 31.6                                              | 42.7 | 55.5  | 61    | 61    | 61    | 61    | 61    | 61    | 61    |
| Potenza di Carica massima (P <sub>Cmax</sub> )*<br>Maximum charging power [W]   | 35.7                                              | 48.5 | 61    | 61    | 61    | 61    | 61    | 61    | 61    | 61    |
| Capacità della batteria<br>Capacity of battery [kWh]                            | 71.5                                              | 85.8 | 100.1 | 114.4 | 128.7 | 143.0 | 157.3 | 171.6 | 185.9 | 200.2 |



TÜV Rheinland LGA Products GmbH  
Tillystraße 2 · 90431 Nürnberg · Germany





**OGGETTO:** Dichiarazione di conformità alla normativa CEI 0-21:2022-03, CEI 0-21;V1:2022-11 e CEI 0-21;V2:2024-01

“Regola tecnica di riferimento per la connessione di Utenti attivi e passivi alle reti BT delle imprese distributrici di energia elettrica”

**SUBJECT:** Declaration of Conformity to CEI 0-21:2022-03, CEI 0-21;V1:2022-11 and CEI 0-21;V2:2024-01

“Reference technical rules for the connection of active and passive users to the LV electrical Utilities”

## Certificate No.: A3 50644899 0001-0002

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<sup>(\*)</sup> The inverter have a PV input and AC output with the batteries system and it's compliant to Annex A, B and Bbis of standard CEI 0-21  
The nominal charging and discharging power can be reached only according with a minimum number of battery modules connected to the inverter with limitation of the inverter's capability.

Firmware release  
Firmware

Inverter:  
Master: 1.00 Manger: 1.00  
Battery system:  
BMU: R140V\_001.R01  
CSC: R140CV\_002.R00  
HVU: R140SV\_001.R00

Numero di Fasi  
Number of phases

Trifase  
Three Phases

Note  
Remarks

Il dispositivo è in grado di limitare la I<sub>dc</sub> allo 0,5% della corrente nominale.  
The device is capable to limit the I<sub>dc</sub> to 0,5% of the nominal current.

laboratorio di prova  
Test laboratory

TÜV Rheinland (Shanghai) Co., Ltd.  
Accreditation CNAS no. L3038

Esaminati I Fascicoli Prove N.: CN241IKL 001 emesso da TÜV Rheinland (Shanghai) S.r.l.  
Having assessed the Test Files N. CN241IKL 001 issued by TÜV Rheinland (Shanghai) Co., Ltd.

Si dichiara che i prodotti indicati soddisfano i requisiti della CEI 0-21:2022-03, CEI 0-21;V1:2022-11 and CEI 0-21;V2:2024-01  
“Regola tecnica di riferimento per la connessione di Utenti attivi e passivi alle reti AT ed MT delle imprese distributrici di energia elettrica”

We declare that the products indicated meet the requirements laid down by CEI 0-21:2022-03, CEI 0-21;V1:2022-11 and CEI 0-21;V2:2024-01  
“Reference technical rules for the connection of active and passive consumers to the HV and MV electrical networks of distribution Company”

Validità della Dichiarazione  
Validity of the Declaration

Questa Dichiarazione è valida per i prodotti indicate, così come descritti nei Fascicoli citati.  
Nuovi requisiti o emendamenti a requisiti esistenti, così come modifiche al prodotto, possono implicare nuove verifiche e certificazioni.  
This Declaration is valid only for the products indicated herein, as described in the Files mentioned. New requirements or amendment to existing ones, or modifications to the product, may imply re-verification and re-certification.

Date: 04.09.2024

Signature :



A.Chen  
Certifier



TÜV Rheinland LGA Products GmbH  
Tillystraße 2 · 90431 Nürnberg · Germany



*The Ministry of Foreign Affairs of the People's Republic of China requests all civil and military authorities of foreign countries to allow the bearer of this passport to pass freely and afford assistance in case of need.*

护照号码/Passport No.  
ED5062714

李新富  
LI, XINFU

男/M 中国/CHINESE

12 FEB 1966

出生地点/Place of birth

|                    |            |
|--------------------|------------|
| 签发日期/Date of issue | 2011.12.15 |
|--------------------|------------|

浙江/ZHEJIANG

07 6月/JUN 2018

发行地点 / Place of issue

有效期限/Date of expiry

浙江/ZHEJIANG

06 6月/JUN 2028

審定机关 / Authority

持照人签名/Driver's signature

公安部出入境管理局  
MPS Exit & Entry Administration

李新富

1367754103

[illegible]

ED50627148CHN6602129M2806066MA00NAMCLILLA930