

## Dichiarazione di conformità alle prescrizioni della Norma CEI 0-21

<b>Tipologia di apparecchiatura cui si riferisce la dichiarazione:</b> <i>Type of devices to which this declaration refers:</i>				
<b>DISPOSITIVO DI INTERFACCIA</b> <i>INTERFACE DEVICE</i>	<b>PROTEZIONE DI INTERFACCIA</b> <i>INTERFACE PROTECTION</i>	<b>DISPOSITIVO DI CONVERSIONE STATICA</b> <i>STATIC CONVERSION DEVICE</i>	<b>DISPOSITIVO DI GENERAZIONE ROTANTE</b> <i>ROTARY GENERATING DEVICE</i>	
SI / Yes	SI / Yes	SI / Yes	No	
<b>COSTRUTTORE:</b> <i>Manufacturer:</i>	Eaton Industries manufacturing GmbH, Place de la gare 2, 1345, Le Lieu, Switzerland			
<b>VERSIONE FIRMWARE:</b> <i>Firmware version:</i>	XSTH1P_V00040038 or following	<b>NUMERO DI FASI:</b> <i>Number of phases:</i>	1 - Monofase <i>Single phase</i>	
<b>POTENZA NOMINALE AC:</b> <i>RATED AC POWER</i>	<b>CAPACITA' DEL SISTEMA DI ACCUMULO (CUS)</b>	<b>CODICE KIT:</b>	<b>CODICE INVERTER</b>	<b>CODICE BATTERIA</b>
3600 W	4,2 kWh	XSTH1P0361UBUEV1	XST1P036P048V01	XST1U12E
	6,0 kWh	XSTH1P0362NBUEV1	XST1P036P048V01	XSTH2N12E
	10,08 kWh	XSTH1P0364NBUEV1	XST1P036P048V01	XSTH4N6E
4600 W	4,2 kWh	XSTH1P0461UBUEV1	XST1P046P048V01	XST1U12E
	6,0 kWh	XSTH1P0462NBUEV1	XST1P046P048V01	XSTH2N12E
	10,08 kWh	XSTH1P0464NBUEV1	XST1P046P048V01	XSTH4N6E
<b>Nota: il dispositivo è in grado di limitare la Idc allo 0,5% della corrente nominale</b> <i>Remark: The device is capable to limit Idc to 0,5% of the rated current</i>				

<b>Riferimenti dei laboratori che hanno eseguito le prove e dei relativi fascicoli di prova:</b> <i>References of the laboratories that carried out the tests and the related test dossiers:</i>		
<b>Fascicoli di prova n°:</b>	<b>Test report n°:</b>	172920LP (3600W model) / 172920LP (4600W model)
<b>Emessi da:</b>	<b>Issued by:</b>	Kiwa Cermet Italia
<b>Accreditamento:</b>	<b>Accreditation:</b>	ACCREDIA n° 0259

**Dichiarazione di conformità alle prescrizioni CEI 0-21: 2016-07 + V1 2017-07**  
*Declaration of conformity to the requirements of the standard CEI 0-21: 2016-07 + V1 2017-07*

Ai sensi degli articoli 46 e 47 del DPR 28 dicembre 2000, n° 445, il sottoscritto CHAMBON Sébastien, residente in Via du Brioland n° 428 nel Comune di Les Rousses France, in qualità di legale rappresentante di Eaton Industries Manufacturing GmbH con sede a Place de la gare 2, 1345, Le Lieu, Switzerland, codice fiscale e partita IVA n° CHE\_112.299.409, iscritta alla Camera di Commercio Industria Artigianato Agricoltura (CCIAAA) di Canton de Vaud, sezione ordinaria, R.E.A. CHE-112.299.409, consapevole delle responsabilità e delle sanzioni penali previste dall'art. 76 del citato DPR per false attestazioni e dichiarazioni mendaci,

**DICHIARA**

che i prodotti sopra indicati sono conformi alle prescrizioni CEI 0-21: 2016-07 +V1 2017-07

*According with articles 46 and 47 of Italian DPR 28 December 2000, n° 445, the undersigned CHAMBON Sébastien, resident in Via du Brioland n° 428 of Comune di Les Rousses, France, as legal representative of Eaton Industries Manufacturing GmbH, Place de la Gare 2, 1345, Le Lieu, Switzerland, VAT ° CHE\_112.299409, registered to the Commerce Chamber of Canton de Vaud, ordinary section, R.E.A. CHE\_112.299.409, herewith*

**DECLARES**

that the product complies with the requirements of CEI 0-21: 2016-07+V1 2017-07

Le Lieu, 12/07/2018

Firma del dichiarante



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## Certificate of Type Testing Conformity

License holder:	Eaton Industries Manufacturing GmbH Place de la Gare 2 – 1345 Le Lieu, Switzerland
Production site 1:	Lian Zheng Electronic (Shenzhen) Co., Ltd. No. 1, Liu-Fang Road, 67 District, Bao-An, Shenzhen, 518101 China
Production site 2:	Phoenixtec Power Co., Ltd. No. 114m Shi-Wan Rd., Sec. 2 Shi-Chih, Taipei Hsien 221, Taiwan
Product:	DC/AC single-phase bidirectional converter for Hybrid Power Plant (HPP)
Models:	xStorage Home XSTH1P036P048V01; xStorage Home XSTH1P046P048V01

The products can be considered complying to the type testing based upon the following aspects:

- CEI 0-21:2016-07 + CEI 0-21;V1:2017-07  
Reference technical rules for the connection of active and passive users to the LV electrical utilities.  
Remarks:  
The product complies only with Annex A and ANNEX Bbis of the standard CEI 0-21.  
Full compliance verified with Eaton XST Home Batt LMO (Lithium Manganese Oxide) 4.2 kWh battery system.  
The firmware implemented on the converter is able to manage:  
different battery storage capacities, also different from the batteries used in the tests.  
 $P_{smax}$  and  $P_{cmax}$  values of the batteries are settable as parameters and the converter adapts the functions in order to remain within its own capability, according to the batteries performance.

This type testing certificate is valid for the configuration described on the test report with extension in battery storage capacity.

This type testing certificate does not include the Initial and the Periodic Inspection of the production samples.

*This certificate is issued in accordance with the Kiwa Cermet Italia regulations for Product Certification. Publication of the certificate is allowed.*

Chief Operating Officer  
Giampiero Beccredi



*Member of the IECCE CB-Scheme*

Kiwa Cermet Italia S.p.A.

Società con socio unico, soggetta all'attività di direzione e coordinamento di Kiwa Italia Holding Srl

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## Certificate of Type Testing Conformity

### Annex

Declaration of Conformity to CEI 0-21:2016-07 + CEI 0-21;V1:2017-07

"Reference technical rules for the connection of active and passive users to the LV electrical Utilities".

TYPE OF APPARATUS WHICH THE DECLARATION IS REFERRED TO:

Interface Device	Interface Protection Device	Static Conversion Device	Rotating Device
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Manufacturer	<p><u>License holder:</u>                      Eaton Industries Manufacturing GmbH                      Place de la Gare 2 – 1345 Le Lieu, Switzerland</p> <p><u>Production sites:</u></p> <ul style="list-style-type: none"> <li>- Lian Zheng Electronic (Shenzhen) Co., Ltd.                          No. 4, Liu-Fang Road,67 District, Bao-An, Shenzhen, 518101, China;</li> <li>- Phoenixtec Power Co., Ltd.                          No. 114m Shi-Wan Rd., Sec. 2 Shi-Chih, Taipei Hsien 221, Taiwan</li> </ul>
Product type	DC/AC single-phase bidirectional converter for Hybrid Power Plant (HPP)
Model name	XSTH1P036P048V01; XSTH1P046P048V01
Firmware release	XSTH1P_V00040038.ROM
Number of Phases	Single-phase
Nominal Power	3600 W; 4600 W
Remarks	<input checked="" type="checkbox"/> The device is capable to limit the I <sub>dc</sub> to 0.5% of the nominal current <input type="checkbox"/> The device needs to be coupled with an external insulation transformer <input type="checkbox"/> The device is equipped with a low frequency insulation transformer
Test laboratory	Crei Ven S.c.a.r.l. (EA accredited laboratory Accredia n° 0259)

Having assessed the Test Files n° 172920LP and 172921LP issued by Crei Ven S.c.a.r.l. (EA accredited laboratory Accredia n° 0259).

Having examined the ISO 9001 certificate of the manufacturer n° TWN0937518 and OAC6021572.

We declare that the products indicated meet the requirements laid down by CEI 0-21:2016-07 + CEI 0-21;V1:2017-07 "Reference technical rules for the connection of active and passive users to the LV electrical Utilities".

Date of issue: 09/04/2018

Chief Operating Officer  
 Giampiero Bellardi



Kiwa Cermet Italia S.p.A.

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