

# CERTIFICATE

## of Conformity


**Registration No.:** AK 50630905 0001  
**Report No.:** CN24OV80 002  
**Holder:** Guangdong Felicity New Energy Co., Ltd  
(KongGangBaiYun)No. 2, Donghua Huaye  
Road, Renhe Town, Baiyun Area  
Guangzhou  
Guangdong  
P.R. China  
**Product:** PV-Inverter  
(Hybrid Inverter)

### Type designation listed on the next page

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 on the next page. 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.

### Certification Body

**Date:** 2024-05-27

  
A. Chen



**TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg**

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## of Conformity

**Registration No.:** AK 50630905 0001

**Product:** PV-Inverter  
(Hybrid Inverter)

**Tested according to:** CEI 0-21:2022-03

**Identification:** Type Designation  
T-REX-4K6LP1G01, T-REX-5KLP1G01  
Firmware version: TMS320F28335PGF: 1100,  
TMS320F28062PZT: 100  
GD32F305RCT6: 100  
**Remark** : Refer to test report CN240V80 002  
for details.



**TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg**



**OGGETTO:** Dichiarazione di conformità alla normativa CEI 0-21:2022-03 e CEI 0-21 "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 "Reference technical rules for the connection of active and passive users to the LV electrical Utilities"

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

**Costruttore**  
*Manufacturer* **Guangdong Felicity New Energy Co., Ltd**  
(KongGangBaiYun)No. 2, Donghua Huaye Road, Renhe Town, Baiyun Area  
Guangzhou Guangdong P.R. China

<b>Modello/Tipo</b> <i>Model/Type</i>	<b>Potenza Attiva Nominale (P<sub>NIN</sub>)</b> <i>Nominal Power</i>	<b>Max. Potenza Apparente (S<sub>MAX</sub>)</b> <i>Maximum Apparent Power</i>
<b>T-REX-4K6LP1G01</b> <b>T-REX-5KLP1G01</b>	[kW] 4.6 5.0	[kVA] 4.6 5.0

**Lithium battery package Manufacturer** **Guangdong Felicity New Energy Co., Ltd**  
(KongGangBaiYun)No. 2, Donghua Huaye Road, Renhe Town, Baiyun Area  
Guangzhou Guangdong P.R. China

**Lithium battery package Model/Type** **LUX-E-48200LG03**

**Nominal capacity/Rated energy** m\*10.5kWh, The "m" is the battery package number from 1 to 15.

*(<sup>1</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* TMS320F28335PGF: 1100,  
TMS320F28062PZT: 100  
GD32F305RCT6: 100

**Numero di Fasi**  
*Number of phases* monofase

**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



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



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Esaminati I Fascicoli Prove N.: CN24OV80 002 emesso da TÜV Rheinland (Shanghai) S.r.l.  
*Having assessed the Test Files N. CN24OV80 002 issued by TÜV Rheinland (Shanghai) Co., Ltd.*

Si dichiara che i prodotti indicati soddisfano i requisiti della CEI 0-21:2022-03 "Regola tecnica di riferimento per la connessione di Utenti attivi e passivi alle reti BT delle imprese distributrici di energia elettrica"  
*We declare that the products indicated meet the requirements laid down by CEI 0-21:2022-03 "Reference technical rules for the connection of active and passive users to the LV electrical Utilities"*

Validità della Dichiarazione  
*Validity of the Declaration*

Questa Dichiarazione è valida per i prodotti indicate, così come descritt 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: 2024-05-27

Signature :



A. Chen



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



**TÜVRheinland**<sup>®</sup>  
Precisely Right.