

DICHIARAZIONE DI CONFORMITÀ ALLA NORMA CEI0-21

| I seguenti generatori rispettano le prescrizioni della norma CEI 0-21: 2022-03 + V1: 2022-11 | | | | | | | |
|--|---|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Costruttore | Shenzhen Growatt New Energy Co., Ltd 4-13/F, Building A, Sino-German (Europe) Industrial Park, Hangcheng Ave, Bao'an District, Shenzhen, China | | | | | | |
| Tipo apparecchiatura | Inverter solari per sistemi fotovoltaici; (v. RdP All. B) | | | | | | |
| Marca | Growatt | | | | | | |
| Numero fasi | Monofase Frequenza: 50 Hz Tensione: 230 Vac | | | | | | |
| Modello del generatore | MIN 2500TL-XE | MIN 3000TL-XE | MIN 3600TL-XE | MIN 4200TL-XE | MIN 4600TL-XE | MIN 5000TL-XE | MIN 6000TL-XE |
| Potenza Nominale | 2500 W | 3000 W | 3600 W | 4200 W | 4600 W | 5000 W | 6000 W |
| Modello del generatore | MIN 2500TL-X | MIN 3000TL-X | MIN 3600TL-X | MIN 4200TL-X | MIN 4600TL-X | MIN 5000TL-X | MIN 6000TL-X |
| Potenza Nominale | 2500 W | 3000 W | 3600 W | 4200 W | 4600 W | 5000 W | 6000 W |
| Il generatore | È idoneo per installazione in impianti con potenza fino a 11,08 kW è in grado di limitare la Idc allo 0,5% della corrente nominale Utilizza una funzione di protezione sensibile alla corrente continua | | | | | | |
| Caratteristiche del sistema di protezione di interfaccia | | | | | | | |
| Costruttore | Shenzhen Growatt New Energy Co., Ltd | | | | | | |
| Modello del generatore | MIN 2500TL-XE /X | MIN 3000TL-XE /X | MIN 3600TL-XE /X | MIN 4200TL-XE /X | MIN 4600TL-XE /X | MIN 5000TL-XE /X | MIN 6000TL-XE /X |
| Tipo | Integrata | | | | | | |
| Caratteristiche del convertitore statico | | | | | | | |
| Modello del convertitore statico | MIN 2500TL-XE | MIN 3000TL-XE | MIN 3600TL-XE | MIN 4200TL-XE | MIN 4600TL-XE | MIN 5000TL-XE | MIN 6000TL-XE |
| Costruttore del convertitore statico | Shenzhen Growatt New Energy Co., Ltd | | | | | | |
| Versione FW | AL 1.0 e superiori | | | | | | |

深圳古瑞瓦特新能源有限公司
Shenzhen Growatt New Energy Co.,Ltd

| | | | | | | | |
|---|--------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Modello del convertitore statico | MIN 2500TL-X | MIN 3000TL-X | MIN 3600TL-X | MIN 4200TL-X | MIN 4600TL-X | MIN 5000TL-X | MIN 6000TL-X |
| Costruttore del convertitore statico | Shenzhen Growatt New Energy Co., Ltd | | | | | | |
| Versione FW | AK 1.0 e superiori | | | | | | |
| Potenza nominale del convertitore | 2500 W | 3000 W | 3600 W | 4200 W | 4600 W | 5000 W | 6000 W |

2. Riferimenti dei laboratori che hanno eseguito le prove e dei relativi fascicoli di prova:

| | |
|------------------------------|--|
| Fascicoli di prova n. | 230403058GZU-010 |
| Emessi da | Intertek Testing Services Shenzhen Ltd. Guangzhou Branch |
| Accreditamento | ACCREDIA, PRD N° 306B |

3. Dichiarazione di conformità alle prescrizioni CEI 0-21: 2022-03 + V1: 2022-11

Con la presente dichiarazione, resa ai sensi degli artt. 46 e 47 DPR 28 dicembre 2000, n. 445, consapevole delle responsabilità e delle sanzioni penali previste dall'art. 76 del citato DPR per false attestazioni e dichiarazioni mendaci, il sottoscritto Liangcai Wu residente in Shenzhen (Cina), in qualità di CTO e vicepresidente della società **Shenzhen Growatt New Energy Co., Ltd.** con sede in 4-13/F, Building A, Sino-German (Europe) Industrial Park, Hangcheng Ave, Bao'an District, Shenzhen, China, Numero di registrazione 91440300570039265Y

DICHIARA

che gli inverter di propria costruzione di cui al precedente punto 1, sono conformi alle prescrizioni della norma **CEI 0-21: 2022-03 + V1: 2022-11**

Si attesta inoltre che la produzione delle apparecchiature oggetto di questa dichiarazione avviene in regime di qualità secondo ISO 9001:2015.

Shenzhen Growatt New Energy Co., Ltd.

Shenzhen, P.R. China , lì 02/01/2024

Firma del dichiarante
Liangcai Wu & Vice President



Certificate of Conformity

Certificate Number: CN-PV-220078R2

On the basis of the tests undertaken, the sample<s> of the below product have been found to comply with the requirements of the referenced specification<s>/standard<s> at the time the tests were carried out. It does not imply that Intertek has performed any surveillance or control of the manufacture(s). The manufacturer(s) shall ensure that the manufacturing process assures compliance of the production units with the examined products mentioned in this certificate.

| | |
|---|--|
| Applicant: | Shenzhen Growatt New Energy Co., Ltd. 4-13/F, Building A, Sino-German (Europe) Industrial Park, Hangcheng Ave, Bao'an District, Shenzhen, China |
| Product: | Static generator (PV Grid inverter) |
| Ratings & Principle Characteristics: | See appendix of Certificate of Conformity |
| Model: | MIN 2500TL-XE, MIN 3000TL-XE, MIN 3600TL-XE, MIN 4200TL-XE, MIN 4600TL-XE, MIN 5000TL-XE, MIN 6000TL-XE, MIN 2500TL-XE2, MIN 3000TL-XE2, MIN 3600TL-XE2, MIN 4200TL-XE2, MIN 4600TL-XE2, MIN 5000TL-XE2, MIN 6000TL-XE2, MIN 2500TL-X, MIN 3000TL-X, MIN 3600TL-X, MIN 4200TL-X, MIN 4600TL-X, MIN 5000TL-X, MIN 6000TL-X, MIN 2500TL-X2, MIN 3000TL-X2, MIN 3600TL-X2, MIN 4200TL-X2, MIN 4600TL-X2, MIN 5000TL-X2, MIN 6000TL-X2 |
| Brand Name<s>: | GROWATT |
| Product Complies with: | CEI 0-21:2022-03 + V1:2022-11 Reference technical rules for connection of active and passive users to the LV electrical Utilities |
| Certificate Issuing Office Name & Address: | Intertek Testing Services Ltd. Shanghai West Area, 2 nd Floor, No. 707, Zhangyang Road China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China Accredited by ACCREDIA in accordance with ISO/IEC 17065:2012 |
| Test Report No.<s>: | 230403058GZU-010 Issued by Intertek Testing Services Shenzhen Ltd. Guangzhou Branch accredited by IAS (TL-395) in accordance with ISO/IEC 17025:2017 |

Replaces certificate CN-PV-220078R1 dated 12 July 2022

Additional information in Appendix.



Signature

Certification Manager: Grady Ye

Date: 28 July 2023



PRD N° 306B

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-220078R2

| Model | MIN 2500TL-XE MIN 2500TL-X | MIN 3000TL-XE MIN 3000TL-X | MIN 3600TL-XE MIN 3600TL-X | MIN 4200TL-XE MIN 4200TL-X | MIN 4600TL-XE MIN 4600TL-X | MIN 5000TL-XE MIN 5000TL-X | MIN 6000TL-XE MIN 6000TL-X |
|-------------------------------|--|-------------------------------------|---|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Max.PV voltage | 500 d.c.V | | 550 d.c.V | | | | |
| PV voltage range | 80-500 d.c.V (only for MIN 2500TL-X, MIN 3000TL-X) 70-500 d.c.V (only for MIN 2500TL-XE, MIN 3000TL-XE) | | 80-550 d.c.V (only for MIN 3600TL-X, MIN 4200TL-X, MIN 4600TL-X, MIN 5000TL-X, MIN 6000TL-X) 70-550 d.c.V (only for MIN 3600TL-XE, MIN 4200TL-XE, MIN 4600TL-XE, MIN 5000TL-XE, MIN 6000TL-XE) | | | | |
| PV Isc | 16.9 d.c.A*2 | | | | | | |
| Max.input current | 13.5 d.c.A*2 | | | | | | |
| Rated AC Power (@230V,50Hz) | 2500W | 3000W | 3600W | 4200W | 4600W | 5000W | 6000W |
| Max.apparent power | 2500VA | 3000VA | 3600VA | 4200VA | 4600VA | 5000VA | 6000VA |
| Nominal output voltage | 230 a.c.V | | | | | | |
| Max.output current | 11.3 a.c.A | 13.6 a.c.A | 16 a.c.A | 19 a.c.A | 20.9 a.c.A | 22.7 a.c.A | 27.2 a.c.A |
| Nominal output Frequency | 50 Hz | | | | | | |
| Power factor range | 0.8Leading – 0.8 lagging | | | | | | |
| Safety level | Class I | | | | | | |
| Ingress Protection | IP 65 | | | | | | |
| Operation Ambient Temperature | -25°C - +60°C | | | | | | |
| Software Version | For -XE series: AL1.0 For -X series: AK 1.0 | | | | | | |

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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PV-220078R2

| Model | MIN 2500TL-XE2 MIN 2500TL-X2 | MIN 3000TL- XE2 MIN 3000TL-X2 | MIN 3600TL- XE2 MIN 3600TL-X2 | MIN 4200TL- XE2 MIN 4200TL-X2 | MIN 4600TL- XE2 MIN 4600TL-X2 | MIN 5000TL- XE2 MIN 5000TL-X2 | MIN 6000TL- XE2 MIN 6000TL-X2 |
|-------------------------------|--|---|---|---|---|---|---|
| Max.PV voltage | 500 d.c.V | | 550 d.c.V | | | | |
| PV voltage range | 40-500 d.c.V | | 40-550 d.c.V | | | | |
| PV Isc | 24 d.c.A*2 | | | | | | |
| Max.input current | 16 d.c.A*2 | | | | | | |
| Rated AC Power (@230V,50Hz) | 2500W | 3000W | 3600W | 4200W | 4600W | 5000W | 6000W |
| Max.apparent power | 2500VA | 3000VA | 3600VA | 4200VA | 4600VA | 5000VA | 6000VA |
| Nominal output voltage | 230 a.c.V | | | | | | |
| Max.output current | 11.3 a.c.A | 13.6 a.c.A | 16 a.c.A | 19 a.c.A | 20.9 a.c.A | 22.7 a.c.A | 27.2 a.c.A |
| Nominal output Frequency | 50 Hz | | | | | | |
| Power factor range | 0.8Leading – 0.8 lagging | | | | | | |
| Safety level | Class I | | | | | | |
| Ingress Protection | IP 66 | | | | | | |
| Operation Ambient Temperature | -30°C - +60°C | | | | | | |
| Software Version | For -XE2 series: AL1.0 For -X2 series: AK 1.0 | | | | | | |

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TYPE OF APPARATUS:

(the static converters in systems with capacity up to 11.08 kW)

| DISCONNECTION DEVICE | INTERFACE PROTECTION DEVICE | DEVICE FOR CONVERSION | ROTATING GENERATOR DEVICE |
|-------------------------------------|-------------------------------------|-------------------------------------|------------------------------|
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | |

Remark:

- 1, The devices are capable to limit I_{dc} to 0.5% of the rated grid current
- 2, Having examined the ISO 9001 certificate of the manufacturer No: 02421Q32012223R0M issued by:
UNIVERSAL CERTIFICATION CENTRE CO., LTD

