

DICHIARAZIONE DI CONFORMITÀ alla norma CEI 0-21: 2019-04

1. Tipologia di Apparecchiatura cui si riferisce la dichiarazione					
Costruttore Manufacturer	Shenzhen Growatt New Energy technology Co., LTD 1 st East & 3 rd Floor of Building A, Building B, Jiayu Industrial Park, #28 GuangHui Road, LongTeng Community, Shiyang Street, Baoan District, Shenzhen, P.R.China				
Tipo apparecchiatura Product Type	Dispositivo di conversione statica		Dispositivo di Interfaccia	Protezione di Interfaccia	
	SI		SI	SI	
Modello Model	Growatt 1000-S	Growatt 1500-S	Growatt 2000-S	Growatt 2500-S	Growatt 3000-S
Versione FW Software release	G.2.0				
Numero fasi	1 (Monofase)				
Potenza nominale Power Rating	1000 W	1600 W	2000 W	2500 W	3000 W
Nota	Il dispositivo è in grado di limitare la I _{dc} allo 0,5% della corrente nominale.				

2. Riferimenti dei laboratori che hanno eseguito le prove e dei relativi fascicoli di prova:	
Fascicoli di prova n. Test report number	190606149GZU-001
(Issued by) Emessi da	Intertek Testing Services Shenzhen Ltd.
Accreditamento Accreditation	CNAS L0220

3. Dichiarazione di conformità alle prescrizioni CEI 0-21: 2019-04
<p>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 Bao'an, nel comune di Guangdong provincia di Shenzhen (Cina), in qualità di rappresentante legale della società Shenzhen Growatt New Energy technology Co., LTD con sede legale in 1st East & 3rd Floor of Building A, Building B, Jiayu Industrial Park, #28 GuangHui Road, LongTeng Community, Shiyang Street, Baoan District, Shenzhen, P.R.China, P.IVA 440300570039265, iscritta al registro delle imprese della pretura di Shenzhen (Cina), con Numero di registrazione 440306105229852</p> <p style="text-align: center;">DICHIARA</p> <p>che gli inverter di propria costruzione di cui al precedente punto 1, sono conformi alle prescrizioni della norma CEI 0-21: 2019-04.</p> <p>Si attesta inoltre che la produzione delle apparecchiature oggetto di questa dichiarazione avviene in regime di qualità secondo ISO 9001:2015 (UCS –Universal Certification Service Co., Ltd., certificato N° UKQ1809003R2 del 03/09/2021)</p>

Shenzhen Growatt New Energy technology Co., LTD (*)
Shenzhen, P.R. China , lì 31/10/2019

Firma del dichiarante
Liangcai Wu & Vice President



Certificate of Conformity

Certificate Number: CN-PV-190028

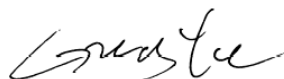
On the basis of the tests undertaken, the samples of the below product have been found to comply with the requirements of the referenced specification/standard at the time the tests were carried out. It does not imply that Intertek has performed any surveillance or control of the manufacture. The manufacturer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

Applicant Name & Address:	Shenzhen Growatt New Energy Technology Co.,Ltd. 1st East & 3rd Floor of Building A, Building B, Jiayu Industrial Park, #28, GuangHui Road, LongTeng Community, Shiyan Street, Baoan District, Shenzhen, P.R.China
Product Description:	Static generator (Photovoltaic grid tied inverter)
Ratings & Principle Characteristics:	See appendix for more parameter details.
Models/Type References:	Growatt 1000-S, Growatt 1500-S, Growatt 2000-S Growatt 2500-S, Growatt 3000-S Firmware Version: G.2.0 Number of phases: single-phase Nominal Power: See page 2-3 for details
Brand Name:	Growatt
Tested according to:	CEI 0-21:2019-04: Reference technical rules for the connection of active and passive users to the LV electrical Utilities
Certificate Issuing Office Name & Address:	Intertek Testing Services Ltd. Shanghai 2/F (West Side), No. 707, Zhangyang Road, Free Trade Experimental Area, Shanghai, P. R. China Accredited by China National Accreditation Service for Conformity Assessment (CNAS C058-P) in accordance with ISO/IEC 17065:2012
Test Report Number:	190606149GZU-001

Certification procedure: SMS-PV-OP-19

Product certification scheme type: Type test

Additional information in Appendix.



Signature

Certification Manager: Grady Ye

Date: 12 October 2019



中国认可
产品
PRODUCT
CNAS C058-P

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-190028

Model	Growatt 1000-S	Growatt 1500-S
Input (DC)		
Max. DC Voltage [V]	450	
MPPT Voltage Range [V]	110-400	175-400
Max. DC Input Current PV[A]	10	
Short Circuit Current Isc [A]	16.0	
Backfeed Current[A]	0	
Number of MPPT	1	
Output (AC)		
Rated AC Power [W] (@230V,50Hz)	1000	1600
Max. AC Power [W]	1000	1650
Rated AC Current[A] (@230V,50Hz)	4.3	6.9
Max. Continuous Current [A]	4.7	7.8
Nominal AC voltage	230V	
Grid frequency	50Hz	
Power factor	0.8 leading ~ 0.8 lagging	
Safety level	Class I	
Ingress Protection	IP 65	
Operation Ambient Temperature	-25°C - 60°C	
Software version	G.2.0	

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APPENDIX: Certificate of Conformity

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Model	Growatt 2000-S	Growatt 2500-S	Growatt 3000-S
Input (DC)			
Max. DC Voltage [V]	450	500	550
MPPT Voltage Range [V]	200-400	220-450	250-500
Max. DC Input Current PV[A]	11	12	13
Short Circuit Current Isc [A]	16.0		
Backfeed Current[A]	0		
Number of MPPT	1		
Output (AC)			
Rated AC Power [W] (@230V,50Hz)	2000	2500	3000
Max. AC Power [W]	2200	2500	3000
Rated AC Current[A] (@230V,50Hz)	8.7	10.9	13.0
Max. Continuous Current [A]	9.5	11.9	14.3
Nominal AC voltage	230V		
Grid frequency	50Hz		
Power factor	0.8 leading ~ 0.8 lagging		
Safety level	Class I		
Ingress Protection	IP 65		
Operation Ambient Temperature	-25°C - 60°C		
Software version	G.2.0		

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Verification of certificate with test report: 190606149GZU-001

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"/>	

Manufacturer: Shenzhen Growatt New Energy Technology Co.,Ltd.

Apparatus type: Static generator (Photovoltaic grid tied inverter)

Model: Growatt 1000-S, Growatt 1500-S, Growatt 2000-S

Growatt 2500-S, Growatt 3000-S

Firmware Version: G.2.0

Number of phases: single-phase

Nominal power: See certificate for each model

Remark: The devices are capable to limit I_{dc} to 0.5% of the rated grid current

Having assessed the test report 190606149GZU-001 Issued by laboratory:

Intertek Testing Services Shenzhen Ltd. Guangzhou Branch

Block E, No.7-2 Guang Dong Software Science Park, Caipin Road, Guangzhou Science City, GETDD,
Guangzhou, China

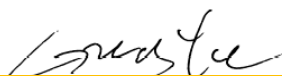
In compliant with ISO/IEC 17025:2017

Accreditation number: CNAS L0220

Having examined the ISO 9001 certificate of the manufacturer No: UKQ1809003R2 issued by:

UNIVERSAL CERTIFICATION CENTRE CO., LTD

The indicated products above are complied with CEI 0-21:2019-04: Reference technical rules for the connection of active and passive users to the LV electrical Utilities



Signature

Name: Grady Ye

Date: 12 October 2019