

## Certificate

## of Conformity

Registered No.:

## COCPVP12009/22B-01

File reference

Test report No.

Date of issue

PVP12009/22B-01

TRPVP12009/22B/01

2023-03-07

On the basis of the tests undertaken, the samples of the below product(s) have been found to comply with the essential requirements of the referenced specifications at the time the tests were carried out:

Applicant:

Hangzhou Livoltek Power Co., Ltd.

1418-35 Moganshan Road, Shangcheng Industrial Park, Hangzhou City,

Zhejiang Province, China

Manufacturer:

Hangzhou Livoltek Power Co., Ltd.

1418-35 Moganshan Road, Shangcheng Industrial Park, Hangzhou City,

Zhejiang Province, China

Factory:

LIVOLTEK POWER CO., LTD.

Room 505, Building 1,No.1418-35, Moganshan Road, Shangcheng District, Hangzhou City, Zhejiang Province (Shangcheng Science and

Technology Industrial Base)

**Product:** 

**ON-GRID SOLAR INVERTER** 

Type designation:

GT1-1K6S1, GT1-2K2S1, GT1-3KS1, GT1-3K3S1, GT1-3K6D1, GT1-

4KD1, GT1-4K6D1, GT1-5KD1, GT1-6KD1

Single-phase, Firmware version:

DSP1:GT12LTK1ACA\_Ver1.13,

DSP2:GT12LTK1DCA Ver1.05

ARM:GT11LTK1COA\_Ver1.40

Type of equipment:

Rotary generation device

Remark: The device is for plants below 11.08kVA

Certification program:

BOS-P-01 Rev. 00

Certification fundamental(s):

CEI 0-21:2019-04

CEI 0-21:2022-03

Renewable Energy



中国认可 产品 PRODUCT CNAS C183-P TÜV NORD (HANGZHOU) CO., LTD. Member of TÜV NORD Group Tel: +86-571-85386989 Fax: +86-571-85386986 www.tuv-nord.com/cn

P.R. China

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See test report for detailed information.

Certification body: TÜV NORD (HANGZHOU) CO., LTD.

Room B409, Building 1, No. 9, Jiuhuan Road, Shangcheng District,

Hangzhou City, Zhejiang Province, 310019, P.R. China

Accredited by CNAS according to ISO/IEC 17065:2012, certificate no.

CNAS C183-P.

Testing laboratory: Dongguan BALUN Testing Technology Co., Ltd.

Room 104/204/205, Building 1, No. 6, Industrial South Road, Songshan

Lake District, Dongguan, Guangdong, China

Accredited by CNAS according to ISO/IEC 17025:2017, certificate no.

CNAS L14701

**Conclusion:** After verifying following documents, it is concluded that the product is in

compliance with the requirements of CEI 0-21:2019-04, CEI 0-21:2022-

03

Certificate no. NOA20109870, issued by NOA Testing & Certification

Group Ltd.

☐ Test report of CEI 0-21:2019-04, CEI 0-21:2022-03

Report no. BL-DG2330155-B01, issued by Dongguan BALUN Testing

Technology Co., Ltd., accredited by CNAS according to ISO/IEC

17025:2017, certificate no. CNAS L14701

☐ Test report of EMC:

Report no. CN21Y10O 001, issued by

TÜV Rheinland (Shanghai) Co., Ltd. accredited by CNAS according to

ISO/IEC 17025:2017, certificate no. CNAS L3038

Report no. ENS2212160161E00201R, issued by

EMTEK(SHENZHEN)CO., LTD. accredited by CNAS according to

ISO/IEC 17025:2017, certificate no. CNAS L2291

Report no. SET2023-01380, issued by

CCIC Southern Testing CO., Ltd. accredited by CNAS according to

ISO/IEC 17025:2017, certificate no. CNAS L1659

This document is based on the evaluation of the samples of the above mentioned product(s). It does not imply an assessment of the mass-production of the product(s), and it does not permit the use of a TÜV NORD mark. The holder of this document may use it in connection with the related test report(s).

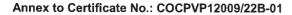
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BOS-T-018 COC



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File no.: PVP12009/22B-01



## Description of product(s):

Model or Type designation	GT1-1K6S1	GT1-2K	(2S1 G1	Γ1-3 <b>KS</b> 1	GT1-3K3S1	
PV input parameters:				•		
Max. Input PV Voltage [Vd.c.]	550					
MPPT Voltage Range [Vd.c.]	50-545					
Max. PV Input Current [Ad.c.]	14 14		14		14	
PV Short-circuit current [Ad.c.]	20 20		20		20	
AC output (Grid Side) parameters	:		•			
Rated Output Voltage [Va.c.]		220V/230V, L+N+PE				
Rated Output Frequency [Hz]		50/ 60				
Rated Output Power [W]	1600	2200	0	3000	3300	
Max. Apparent Power [VA]	1760	2420	0	3300	3300	
Max. Output Current [Aa.c.]	2 7.7	10.5	5	14.3	14.3	
Power Factor cosφ [λ]	> 0.99 Ra	> 0.99 Rated power (Adjustable 0.8 Leading - 0.8Lagging)				
Model or Type designation	GT1- 3K6D1	GT1- 4KD1	GT1- 4K6D1	GT1- 5KD1	GT1- 6KD1	
PV input parameters:						
Max. Input PV Voltage [Vd.c.]		550				
MPPT Voltage Range [Vd.c.]		70-545				
Max. PV Input Current [Ad.c.]	2*14	2*14	2*14	2*14	2*14	
PV Short-circuit current [Ad.c.]	2*20	2*20	2*20	2*20	2*20	
AC output (Grid Side) parameters	:					
Rated Output Voltage [Va.c.]		220V/230V, L+N+PE				
Rated Output Frequency [Hz]		50/ 60				
Rated Output Power [W]	3600	4000	4600	5000	6000	
Max. Apparent Power [VA]	3960	4400	4600	5500	6600	
Max. Output Current [Aa.c.]	17.2	19.1	20.0	23.9	28.7	
Power Factor cosφ [λ]	> 0.99 Ra	> 0.99 Rated power (Adjustable 0.8 Leading - 0.8Lagging)				
Others for all model:						
Protective class		Class I				
Inverter topology		Non-isolated				
Operation temperature range		-30~60℃				
Ingress protection		IP65				

Janual lens



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