

Certificate of Conformity

Registered No.:

COCPPV12009/22B-01

File reference
PVP12009/22B-01

Test report No.
TRPVP12009/22B/01

Date of issue
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: Interface device
 Interface protection
 Static conversion device
 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

BOS-T-018 COC



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

Certification body:

See test report for detailed information.

TÜV NORD (HANGZHOU) CO., LTD.

Room B409, Building 1, No. 9, Jiujuan 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

ISO 9001 certificate:

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. CN21Y100 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).



Renewable Energy

BOS-T-018 COC



中国认可
产品

PRODUCT
CNAS C183-P

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Description of product(s):

Model or Type designation	GT1-1K6S1	GT1-2K2S1	GT1-3KS1	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	3000	3300	
Max. Apparent Power [VA]	1760	2420	3300	3300	
Max. Output Current [Aa.c.]	7.7	10.5	14.3	14.3	
Power Factor $\cos\phi$ [λ]	> 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 $\cos\phi$ [λ]	> 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°C				
Ingress protection	IP65				



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