

Certificate of Conformity

Registered No.:

COCPPV12009/22B-02

File reference
PVP12009/22B-02

Test report No.
TRPVP12009/22B/02

Date of issue
2023-05-17

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: GT3-4KD1, GT3-5KD1, GT3-6KD1, GT3-8KD1, GT3-10KD1,
GT3-12KD1, GT3-15KD1, GT3-17KD1, GT3-20KD1, GT3-22KD1,
GT3-25KD1

Three-phase, Firmware version:

Master: GT31LTK1ACA_Ver1.0,

Slave: GT31LTK1DCA_Ver1.0, ARM: GT31LTK1COA_Ver1.0

Type of equipment: ☒ Interface device
☒ Interface protection
☒ Static conversion device
☐ Rotary generation device

Remark: The device is for plants of each power.

Certification program: BOS-P-01 Rev. 00

Certification fundamental(s): CEI 0-21:2019-04



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

CEI 0-21:2022-03

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

☒ 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-DG2330156-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. ENS2212160161E00101R, issued by
EMTEK(SHENZHEN)CO., LTD. accredited by CNAS according to
ISO/IEC 17025:2017, certificate no. CNAS L2291

Report no. ENB2203310226E00201R, issued by
EMTEK (NINGBO) CO., LTD. accredited by CNAS according to ISO/IEC
17025:2017, certificate no. CNAS L6666

Report no. SET2023-01381, 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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产品

PRODUCT
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Description of product(s):

Model or Type designation	GT3-4KD1	GT3-5KD1	GT3-6KD1	GT3-8KD1	GT3-10KD1	
PV input parameters:						
Max. Input PV Voltage [Vd.c.]	1100					
MPPT Voltage Range [Vd.c.]	140-1000					
Max. PV Input Current [Ad.c.]	16/16					
PV Short-circuit current [Ad.c.]	21/21					
AC output (Grid Side) parameters:						
Rated Output Voltage [Va.c.]	380/400, 3L/N/PE					
Rated Output Frequency [Hz]	50/ 60					
Rated Output Power [W]	4000	5000	6000	8000	10000	
Max. Apparent Power [VA]	4400	5500	6600	8800	11000	
Max. Output Current [Aa.c.]	6.4	7.9	9.5	12.7	15.9	
Power Factor cosφ [λ]	-0.8 - +0.8					
Model or Type designation	GT3-12KD1	GT3-15KD1	GT3-17KD1	GT3-20KD1	GT3-22KD1	GT3-25KD1
PV input parameters:						
Max. Input PV Voltage [Vd.c.]	1100					
MPPT Voltage Range [Vd.c.]	140-1000					
Max. PV Input Current [Ad.c.]	20/20/20		20/20/20/20			
PV Short-circuit current [Ad.c.]	26/26/26		26/26/26/26			
AC output (Grid Side) parameters:						
Rated Output Voltage [Va.c.]	380/400, 3L/N/PE					
Rated Output Frequency [Hz]	50/ 60					
Rated Output Power [W]	12000	15000	17000	20000	22000	25000
Max. Apparent Power [VA]	13200	16500	18700	22000	24200	27500
Max. Output Current [Aa.c.]	19.1	23.8	27.0	31.8	34.9	39.7
Power Factor cosφ [λ]	-0.8 - +0.8					
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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