

Certificate of Conformity

Registered No.:

COC PVP12142/23E-01

File reference

PVP12142/23E-02

Test report No.

TRPVP12142/23E/02

Date of issue

2024-05-08

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: **Hangzhou Livoltek Power Co., Ltd.**
Floor 1, Building 1, 1418-7 Moganshan Road, Hangzhou City, Zhejiang
Province (Shangcheng Science and Technology Industrial Base)

Product: GRID-TIED SOLAR INVERTER

Type designation: GT3-30KT1, GT3-30KT1C, GT3-33KT1, GT3-36KQ1, GT3-37K5Q1,
GT3-40KQ1, GT3-50KQ1, GT3-60KQ1

Three-phase, Firmware version: Master: GT32LTK1ACA101

Slave: GT32LTK1DCA100, ARM: GT32LTK1COA101

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

Remark: The device is for plants above 11.08kVA.

Certification program: BOS-P-01 Rev. 00



Renewable Energy

BOS&ESS-T-004 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

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P.R. China

Certification fundamental(s): CEI 0-21:2019-04, CEI 0-21; V1:2020-12
CEI 0-21:2022-03, CEI 0-21; V1:2022-11
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;
V1:2020-12, CEI 0-21:2022-03, CEI 0-21; V1:2022-11.
 ISO 9001 certificate:
Certificate no. 15/23Q8320R11, issued by Hangzhou WIT Assessment
Co., Ltd.
 Test report of CEI 0-21:2019-04, CEI 0-21; V1:2020-12, CEI 0-
21:2022-03, CEI 0-21; V1:2022-11:
Report no. BL-DG2441401-201, issued by Dongguan BALUN Testing
Technology Co., Ltd., accredited by CNAS according to ISO/IEC
17025:2017, certificate no. CNAS L14701

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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Description of product(s):

Model or Type designation		GT3-30KT1	GT3-30KT1C	GT3-33KT1		
DC input	Max. Input Voltage [Vd.c.]	1100				
	MPP Voltage Range [Vd.c.]	180-1000				
	Max. PV Input Current [Ad.c.]	40/40/40				
	Max. DC Short-circuit current [Ad.c.]	52/52/52				
AC output	Rated Output Voltage [Va.c.]	3/N/PE, 380/400V a.c.				
	Rated Output Frequency [Hz]	50/60				
	Rated Output Power [W]	30000	30000	33000		
	Max. Output Power [VA]	33000	30000	36300		
	Max. Output Current [Aa.c.]	50.1	45.6	55.2		
	Power Factor cosφ [λ]	-0.8 - +0.8				
System	Type of inverter	Non-isolated				
	Protective Class	Class I				
	Enclosure Protection (IP)	IP65				
	Operating Temperature Range [°C]	-30 to 60				
	Overvoltage Category (OVC)	III(AC), II(DC)				
Model or Type designation		GT3-36 KQ1	GT3-37 K5Q1	GT3-40 KQ1	GT3-50 KQ1	GT3-60 KQ1
PV input	Max. PV Voltage [Vd.c.]	1100				
	MPP Voltage Range [Vd.c.]	180-1000				
	Max. PV Input Current [Ad.c.]	40/40/40/40				
	Max. DC Short-circuit current [Ad.c.]	52/52/52/52				
AC output	Rated Output Voltage [Va.c.]	3/N/PE, 380/400V a.c.				
	Rated Output Frequency [Hz]	50/60				
	Rated Output Power [W]	36000	37500	40000	50000	60000
	Max. Output Power [VA]	39600	37500	44000	55000	60000
	Max. Output Current [Aa.c.]	60.2	57.0	66.9	83.6	91.0



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	Power Factor $\cos\phi$ [λ]	-0.8 - +0.8
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	Protective Class	Class I
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