CERTIFICATE

of conformity with the following European Directives

Low Voltage Directive 2014/35/EU

This certifies that below described products of the applicant:

Xiamen Kehua Digital Energy Tech Co., Ltd.

Room 208-38, Hengye Building, No. 100 Xiangxing Road, Torch High-tech Zone (Xiangan) Industrial Zone, Xiamen, China.

comply to the essential requirements of the above mentioned European Directive and the following standards, taking into account the German national deviations:

Product(s):	PV Grid-tied Inverter
Model type(s):	SPI30K-B X2, SPI33K-B X2, SPI36K-B X2, SPI36K-B X2P, SPI40K-B X2P, SPI40K-B X2

This certificate of conformity is based on the evaluation of samples of the product. It does not imply an assessment of the production and it does not permit the use of a mark of conformity or of a safety mark of the TÜV NORD CERT GmbH. The holder of this certificate may use this Certificate together with his EC-Declaration of Conformity.

Certification program:	P33-VA-01 Rev. 02 / 04.20
Certification fundamental(s):	EN 62109-1:2010, EN 62109-2:2011
Registered no.:	44 799 23 406749 - 384
Report no.:	492012073.002
File no.:	PVP05054/23B-01

TÜV NORD CERT GmbH
Certification Body
Balance of System (BOS) for Photovoltaics

Essen, 2023-11-30

TÜV NORD CERT GmbH Am TÜV 1, D-45307 Essen www.tuev-nord-cert.de prodcert@tuev-nord.de

Please also pay attention to the information stated overleaf.

CE The CE marking may be affixed on the product if all relevant and effective Directives are complied with. CE

ANNEX

to Certificate registration no. 44 799 23 406749 - 384

Description of product(s):

PV Grid-tied Inverter						
Model or Type designation	**SPI30K -B X2**	**SPI33K -B X2**	**SPI36K -B X2**	**SPI36K -B X2P**	**SPI40K -B X2**	**SPI40K -B X2P**
PV input parameters:						
Max. Input PV Voltage [Vd.c.]	1100					
MPPT Voltage Range [Vd.c.]	180-1100					
Max. PV Input Current [Ad.c.]	3*30	3*30	3*30	40+20+20	3*30	40+20+20
PV Short-circuit current [Ad.c.]	3*37.5	3*37.5	3*37.5	50+25+25	3*37.5	50+25+25
AC output (Grid Side) parameters:						
Rated Output Voltage [Va.c.]	400Vac, 3W+N+PE					
Rated Output Frequency [Hz]	50/ 60					
Rated Output Power [kW]	30	33	36	36	40	40
Max. Apparent Power [kVA]	33	36.3	39.6	39.6	40	40
Max. Output Current [Aa.c.]	47.6	52.4	57.2	57.2	57.7	57.7
Power Factor cosφ [λ]	>0.99(±0.8)					
Battery charge/discharge parameters (charge from PV, discharge to Grid) (Optional):						
Charge/discharge Voltage Range [Vd.c.]	650-900					
Max. charge/discharge Current [Ad.c.]	45.0	49.2	49.2	49.2	49.2	49.2
Others:						

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Protective Class	Class I
Inverter Topology	Non-isolated
Operation Temperature Range	-35~60°C
Ingress Protection	IP66
Weight	27kg
Dimension (W*H*D)	550*480*200mm
Overvoltage-Category	DC(PV) II, AC(Main) III
Hardware version	V3
Software version	V3

Remark:

For detailed product information, please refer to CDF (Constructional Data Form) in Annex of test report.

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