

Compliance Document

No. D 115067 0052 Rev. 00

Holder of Certificate: **Xiamen Kehua Digital Energy Tech Co., Ltd.**

Room 208-38, Hengye Building
No. 100 Xiangxing Road
Torch High-tech Zone
(Xiang'an) Industrial Zone
361115 Xiamen
PEOPLE'S REPUBLIC OF CHINA

Product: **Converter
(PV Grid-tied Inverter)**

Model(s): SPI200K-B-H, SPI225K-B-H, SPI250K-B-H,
SPI200K-B-H X2, SPI225K-B-H X2, SPI250K-B-H X2,
SPI200K-B-H X2P, SPI225K-B-H X2P, SPI250K-B-H X2P

Parameters: See page 2

Tested according to: CEI 0-16:2022

This Compliance document confirms the compliance with the listed standards on a voluntary basis. It refers only to the sample submitted for testing and certification and does not certify the quality or safety of the serial products. For details see: www.tuvsud.com/ps-cert

Test report no.: 64290233002801

Date, 2023-03-10



(Billy Qiu)

Compliance Document

No. D 115067 0052 Rev. 00

Parameters:

Inverter model	SPI200K-B-H	SPI225K-B-H	SPI250K-B-H
PV terminal parameters			
Vmax. PV	1500 Vd.c.	1500 Vd.c.	1500 Vd.c.
MPPT Voltage Range	500 Vd.c.~1500 Vd.c.	500 Vd.c.~1500 Vd.c.	500 Vd.c.~1500 Vd.c.
MPPT Voltage Range (full load)	860 Vd.c.~1300 Vd.c.	860 Vd.c.~1300 Vd.c.	860 Vd.c.~1300 Vd.c.
Max. continuous PV input current	12*30 Ad.c.	12*30 Ad.c.	12*30 Ad.c.
Isc PV	12*50 Ad.c.	12*50 Ad.c.	12*50 Ad.c.
Max. continuous PV input power	223 kW	250.5 kW	253 kW
Grid terminal parameter			
Rated voltage	800 Va.c., 3W+PE		
Rated frequency	50 Hz		
Rated output current	144.3 Aa.c	162.4 Aa.c	180.4 Aa.c
Maximum continuous output current	158.8 Aa.c	178.6 Aa.c	180.4 Aa.c
Rated output active power output	200 kW	225 kW	250 kW
Maximum output apparent power output	220 kVA	247.5 kVA	250 kVA
Power factor (Cos phi), adjustable	0.8 inductive ~ 0.8 capacitive		
General			
Operation temperature range	-35 °C to 60 °C		
Storage temperature range	-40 °C to 70 °C		

Inverter model	SPI200K-B-H X2	SPI225K-B-H X2	SPI250K-B-H X2
PV terminal parameters			
Vmax. PV	1500 Vd.c.	1500 Vd.c.	1500 Vd.c.
MPPT Voltage Range	500 Vd.c.~1500 Vd.c.	500 Vd.c.~1500 Vd.c.	500 Vd.c.~1500 Vd.c.
MPPT Voltage Range (full load)	860 Vd.c.~1250 Vd.c.	860 Vd.c.~1250 Vd.c.	860 Vd.c.~1250 Vd.c.
Max. continuous PV input current	12*30 Ad.c.	12*30 Ad.c.	12*30 Ad.c.
Isc PV	12*50 Ad.c.	12*50 Ad.c.	12*50 Ad.c.
Max. continuous PV input power	223 kW	250.5 kW	253 kW
Grid terminal parameter			
Rated voltage	800 Va.c., 3W+PE		
Rated frequency	50 Hz		
Rated output current	144.3 Aa.c	162.4 Aa.c	180.4 Aa.c
Maximum continuous output current	158.8 Aa.c	178.6 Aa.c	180.4 Aa.c
Rated output active power output	200 kW	225 kW	250 kW
Maximum output apparent power output	220 kVA	247.5 kVA	250 kVA
Power factor (Cos phi), adjustable	0.8 inductive ~ 0.8 capacitive		
General			
Operation temperature range	-35 °C to 60 °C		
Storage temperature range	-40 °C to 70 °C		

Compliance Document

No. D 115067 0052 Rev. 00

Inverter model	SPI200K-B-H X2P	SPI225K-B-H X2P	SPI250K-B-H X2P
PV terminal parameters			
Vmax. PV	1500 Vd.c.	1500 Vd.c.	1500 Vd.c.
MPPT Voltage Range	500 Vd.c.~1500 Vd.c.	500 Vd.c.~1500 Vd.c.	500 Vd.c.~1500 Vd.c.
MPPT Voltage Range (full load)	860 Vd.c.~1250 Vd.c.	860 Vd.c.~1250 Vd.c.	860 Vd.c.~1250 Vd.c.
Max. continuous PV input current	6*60 Ad.c.	6*60 Ad.c.	6*60 Ad.c.
Isc PV	6*100 Ad.c.	6*100 Ad.c.	6*100 Ad.c.
Max. continuous PV input power	223 kW	250.5 kW	253 kW
Grid terminal parameter			
Rated voltage	800 Va.c., 3W+PE		
Rated frequency	50 Hz		
Rated output current	860 Vd.c.~1250 Vd.c.	860 Vd.c.~1250 Vd.c.	180.4 Aa.c
Maximum continuous output current	158.8 Aa.c	178.6 Aa.c	180.4 Aa.c
Rated output active power output	200 kW	225 kW	250 kW
Maximum output apparent power output	220 kVA	247.5 kVA	250 kVA
Power factor (Cos phi), adjustable	0.8 inductive ~ 0.8 capacitive		
General			
Operation temperature range	-35 °C to 60 °C		
Storage temperature range	-40 °C to 70 °C		

Compliance Document

No. D 115067 0052 Rev. 00

The following generators meet the requirements of CEI 0-16:2022				
Section A	Manufacturer	Xiamen Kehua Digital Energy Tech Co., Ltd. Room 208-38, Hengye Building No. 100 Xiangxing Road Torch High-tech Zone (Xiang'an) Industrial Zone 361115 Xiamen PEOPLE'S REPUBLIC OF CHINA		
	Equipment type	PV Grid-tied Inverter		
	Brand	Xiamen Kehua Digital Energy Tech Co., Ltd.		
	User side connection	☐ Three-phase with neutral ☒ Three-phase without neutral Frequency: 50Hz Voltage: a.c. 800V		
	Primary energy used	☒ Solar ☐ Storage ☐ Wind ☐ Hydroelectric ☐ CHP ☐ Other:		
	Generator model	SPI200K-B-H, SPI200K-B-H X2, SPI200K-B-H X2P	SPI225K-B-H, SPI225K-B-H X2, SPI225K-B-H X2P	SPI250K-B-H, SPI250K-B-H X2, SPI250K-B-H X2P
	Rated active power output to Grid	200 kW	225 kW	250 kW
	Maximum apparent power output to Grid	220 kVA	247.5 kVA	250 kVA
	The generator:	☒ suitable for installation in plants with a power output of less than or equal to 400 kW ☒ suitable for installation in plants with a power exceeding 400 kW		
Section B	Static converter characteristics			
	Manufacturer of inverter	Xiamen Kehua Digital Energy Tech Co., Ltd.		
	Firmware version	V1		
	Model of inverter	SPI200K-B-H, SPI200K-B-H X2, SPI200K-B-H X2P	SPI225K-B-H, SPI225K-B-H X2, SPI225K-B-H X2P	SPI250K-B-H, SPI250K-B-H X2, SPI250K-B-H X2P
	Nominal converter power (P _{NINV})	200 kW	225 kW	250 kW

Compliance Document

No. D 115067 0052 Rev. 00

Section H	References of the laboratories that performed the tests and their test reports (RdP)	
	Selected method	☒ Tests performed by an accredited laboratory
	Test Reports (RdP)	Test report according to Annex N 64.290.23.30028.01
	Issued by	Accredited lab: TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch
	Accreditation No.	D-PL-19065-01-01
	Accreditation body ref.	DAkkS
Section L	Reference of the certification body	
	Certification Body	TÜV SÜD Product Service GmbH
		DAKKS accreditation certificate D-ZE-11321-01-00 according to DIN EN ISO/IEC 17065:2013