



BUREAU
VERITAS

Factory Inspection Certificate

Certificato di ispezione di fabbrica

Applicant:
Richiedente:

Xiamen Kehua Digital Energy Tech Co., Ltd.

Address:
Indirizzo:

Room 208-38, Hengye Building, No. 100 Xiangxing Road
Fujian Province, 361115 Xiamen City
P. R. China

Product type:
Tipo prodotto:

Grid-tied photovoltaic inverter

Model:
Modello:

SPI30K-B, SPI33K-B, SPI36K-B, SPI40K-B, SPI50K-B, SPI60K-B

SPI5K-B, SPI6K-B, SPI8K-B, SPI10K-B, SPI12K-BL, SPI12K-B, SPI15K-B, SPI17K-B,
SPI20K-B

SPI1500-B2, SPI2000-B2, SPI3000-B2, SPI3600-B2, SPI4000-B2, SPI4600-B2, SPI5000-
B2, SPI6000-B2

SPI200K-B-H, SPI225K-B-H, SPI250K-B-H

Test report No.:
Rapporto di test N°:

ZEM-ESH-P20050880, ZEM-ESH-P20050887, ZEM-ESH-P20050889-R1, ZEM-ESH-
P20050900, ZEM-ESH-P20082682-R1

Ratings:
Caratteristiche:

See Annex
Vedi Allegato

Test samples of above stated models passed the electrical tests and monitored by annual Factory Inspections at following factory location, made in accordance to:

I campioni di prova sopra riportati sottoposti a verifica hanno superato le prove elettriche e saranno monitorati annualmente mediante ispezione di fabbrica presso il seguente sito, effettuate in conformità della:

Regole applicative per il riconoscimento delle tariffe incentivanti previste dal DM 5 Luglio 2012 (QUINTO CONTO ENERGIA) [§ 4.6.4 – Inverter]

- The factory inspection was based on: / *La verifica in fabbrica si è basata su:*
CEI 0-21, CEI 0-16, TERN A70 for connection to LV, MV/HV
- The report of the factory inspection includes the requirements of GSE applicative rules about the manufacturing quality process and used materials.
Il rapporto di ispezione di fabbrica include i requisiti delle regole GSE applicabili al processo di qualità costruttiva e dei materiali utilizzati.
- Components check has been performed in order to guarantee a constant quality level as based on a detailed description supplied by License Holder to BV CPS Germany, as requested by:
Controllo dei componenti è stato effettuato allo scopo di garantire un costante livello di qualità come prescritto nella dettagliata descrizione fornita dal titolare della licenza a BV CPS Germany come consentito dalla:
Delibera AEEG n. 84/2012/R/EEL e documenti GSE "Quinto Conto Energia: chiarimenti su definizione edificio energeticamente certificabile e sulle Certificazioni/Attestazioni riguardanti i moduli fotovoltaici ed i gruppi di conversione inverter");

Factory location:
Sito aziendale:

Zhangzhou Kehua Electric Technology Co., Ltd.

No. 11, Jinxing Road, Xiangcheng District
Fujian Province, 361000 Zhangzhou City
P.R. China

Certificate No.:
Certificato N°:

22-005

Report No.: Kehua_CIG023
Rapporto N° from/da: 2022-06-21



Ulrich Feike

Certification Body

Bureau Veritas Consumer Products Services Germany GmbH

Issued: 20.07.2022
Emesso il:

Valid until: 2023-06-20
Valido fino a:

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Annex 1 / Allegato 1

Model / Type	SPI30K-B	SPI33K-B	SPI36K-B
DC voltage range:	MPPT: 300-1000 V d.c.		
Max. Input current	30A/30A		
Nominal output voltage	3/N/PE, 400V a.c., 50/60Hz		
Max. Output current	47.6A*3	52A*3	57.7A*3
Rated Output Power	30000W	33000W	36000W

Model / Type	SPI40K-B	SPI50K-B	SPI60K-B
DC voltage range:	MPPT: 300-1000 V d.c.		
Max. Input current	30A/30A/30A	30A/30A/30A/30A	
Nominal output voltage	3/N/PE, 400V a.c., 50/60Hz		
Max. Output current	63.5A*3	79.4A*3	95.3A*3
Rated Output Power	40000W	50000W	60000W



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Annex 2 / Allegato 2

Ratings:	SPI5K-B	SPI6K-B	SPI8K-B	SPI10K-B	SPI12K-BL
DC voltage range:	MPPT: 200-950 V d.c. / Max. 1000V d.c.				
Max. Input current	11A/11A		22A/11A		22A/22A
Nominal output voltage	3/N/PE, 380/400/415V a.c., 50/60Hz				
Max. Output current	8.0A*3	9.6A*3	12.8A*3	15.9A*3	19.1A*3
Rated Output Power	5000W	6000W	8000W	10000W	12000W

Ratings:	SPI12K-B	SPI15K-B	SPI17K-B	SPI20K-B
DC voltage range:	MPPT: 200-950 V d.c. / Max. 1000V d.c.			
Max. Input current	11A/11A	22A/22A		
Nominal output voltage	3/N/PE, 380/400/415V a.c., 50/60Hz			
Max. Output current	19.1A*3	23.9A*3	27.1A*3	31.9A*3
Rated Output Power	12000W	15000W	17000W	20000W

Annex 3 / Allegato 3

Ratings:	SPI1500-B2	SPI2000-B2	SPI3000-B2	SPI-3600-B2
Range of Peak Power MPPT Voltage:	100-500Vdc			
Max. Input voltage [V]	600Vdc			
Max Input current [A]	13.2	13.2	11/11	11/11
Nominal Output voltage [V]	230			
Max. Continuous Output AC current [A]	6.5	8.7	13.0	15.7
Max. Output power [VA]	1500	2000	3000	3600

Ratings:	SPI4000-B2	SPI4600-B2	SPI5000-B2	SPI6000-B2
Range of Peak Power MPPT Voltage:	100-500Vdc			
Max. Input voltage [V]	600Vdc			
Max Input current [A]	11/11			
Nominal Output voltage [V]	230			
Max. Continuous Output AC current [A]	17.4	20	21.7	26
Max. Output power [VA]	4000	4600	5000	6000



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Annex 4 / Allegato 4

Ratings:	SPI200K-B-H	SPI225K-B-H	SPI250K-B-H
Range of Peak Power MPPT Voltage:	500-1500 V d.c.		
Max. Input voltage [V]	1500 V d.c.		
Max Input current [A]	12*30Ad.c.		
Nominal Output voltage [V]	3/PE, 800V a.c., 50/60Hz		
Max. Continuous Output AC current [A]	3*158.8A a.c	3*178.6A a.c	3*180.4A a.c
Max. Output power [VA]	200 kW	225kW	250kW