

# Compliance Document

No. D 087538 0010 Rev. 00


**Holder of Certificate:** **Shenzhen Senergy Technology Co., Ltd.**  
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PEOPLE'S REPUBLIC OF CHINA

**Product:** **Converter  
(Hybrid Inverter)**

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](http://www.tuvsud.com/ps-cert)

**Test report no.:** 64290233012701

**Date,** 2023-04-18



( Billy Qiu )

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**Model(s):** SE 5KHB-D3, SE 6KHB-D3, SE 8KHB-D3, SE 10KHB-D3

## Parameters:

Model	SE 5KHB-D3	SE 6KHB-D3	SE 8KHB-D3	SE 10KHB-D3
PV terminal parameters				
V <sub>max. PV</sub>	1000 Vd.c.	1000 Vd.c.	1000 Vd.c.	1000 Vd.c.
MPPT Voltage Range	160 - 950 Vd.c.			
MPPT Voltage Range (full load)	330 - 800 Vd.c.	330 - 800 Vd.c.	370 - 800 Vd.c.	370 - 800 Vd.c.
Max. continuous PV input current	15 Ad.c. / 15 Ad.c.	15 Ad.c. / 15 Ad.c.	20 Ad.c. / 30 Ad.c.	20 Ad.c. / 30 Ad.c.
I <sub>sc PV</sub>	20 Ad.c. / 20 Ad.c.	20 Ad.c. / 20 Ad.c.	30 Ad.c. / 40 Ad.c.	30 Ad.c. / 40 Ad.c.
Max. continuous PV input power	9000 W	9000 W	15000 W	15000 W
Battery terminal parameter				
Battery type	Lithium-ion	Lithium-ion	Lithium-ion	Lithium-ion
Voltage range	150 - 600 Vd.c.			
Rated voltage	504 Vd.c.			
Maximum charge/discharge current	25 Ad.c. / 25 Ad.c.	25 Ad.c. / 25 Ad.c.	50 Ad.c. / 50 Ad.c.	50 Ad.c. / 50 Ad.c.
Maximum charge current from grid to battery	25 Ad.c.	25 Ad.c.	25 Ad.c.	25 Ad.c.
Maximum charge/discharge power	9000 W / 5800 W	9000 W / 7000 W	15000 W / 9100 W	15000 W / 11300 W
Maximum charge power from grid to battery	5000 W	6000 W	8000 W	10000 W
Grid terminal parameter				
Rated voltage	230/400 Va.c., 3W+N+PE			
Rated frequency	50 Hz			
Rated current output to Grid	7.2 Aa.c.	8.7 Aa.c.	11.6 Aa.c.	14.5 Aa.c.
Maximum continuous current output to Grid	8.0 Aa.c.	9.6 Aa.c.	12.7 Aa.c.	16.0 Aa.c.
Rated active power output to Grid	5000 W	6000 W	8000 W	10000 W
Maximum apparent power output to Grid	5500 VA	6600 VA	8800 VA	11000 VA
Power factor (Cos phi), adjustable	0.8 inductive(under-excited) to 0.8 capacitive(over-excited)			

Remark: The unit is evaluated according to EN 50549-1:2019/AC:2019, specially with consideration of Fingrid's Grid Code VJV 2018: and Energiategollisuus's recommendation document "Technical requirements for small-scale production of electricity", dated June 3, 2021.

**Tested according to:**

EN 50549-1:2019/AC:2019  
VJV:2018