



Compliance Document

No. D 076777 0014 Rev. 00

Holder of Certificate: **Shenzhen Sinexcel Electric Co., Ltd**
Building 6, BaiWangXin
High-tech Industrial Park, Nanshan District
518055 Shenzhen City
PEOPLE'S REPUBLIC OF CHINA

Product: **Converter**
(Bi-directional Hybrid Energy Storage 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

Test report no.: 64290203051001

Date, 2020-10-26

(Billy Qiu)

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Model(s): PWG2-100K-EX, PWG2-50K-EX

Parameters:

Model	PWG2-50K-EX	PWG2-100K-EX
PV terminal parameters		
Rated DC input voltage range	520 ~ 900 Vd.c.	520 ~ 900 Vd.c.
Maximum DC input voltage	900 Vd.c.	900 Vd.c.
Maximum input current	220 Ad.c.	440 Ad.c.
Battery terminal parameters		
Rated DC voltage	400 Vd.c.	400 Vd.c.
Battery DC voltage range	250 ~ 500 Vd.c.	250 ~ 500 Vd.c.
Rated charging power	50 kW	100 kW
Rated discharging power	50 kW	100 kW
Max. charging current	130 Ad.c.	260 Ad.c.
Max. discharging current	130 Ad.c.	260 Ad.c.
Gird terminal parameters		
Rated AC voltage	400/230 Va.c., 3/N/PE	400/230 Va.c., 3/N/PE
Rated AC frequency	50 Hz	50 Hz
Rated AC current	72.0 Aa.c.	144.0 Aa.c.
Max. AC current	79.0 Aa.c.	158.0 Aa.c.
Rated apparent power	50 kW	100 kW
Rated output apparent power	50 kVA	100 kVA
Maximum continuous output apparent power	55 kVA	110 kVA
Power factor	0.9 leading to 0.9 lagging	0.9 leading to 0.9 lagging
Load terminal parameters		
Rated AC voltage	400/230 Va.c., 3/N/PE	400/230 Va.c., 3/N/PE
Rated AC frequency	50 Hz	50 Hz
Rated AC current	72.0 Aa.c.	144.0 Aa.c.
Max. AC current	79.0 Aa.c.	158.0 Aa.c.
Rated apparent power	50 kW	100 kW
Rated output apparent power	50 kVA	100 kVA
Maximum continuous output apparent power	55 kVA	110 kVA
Power factor	0.9 leading to 0.9 lagging	0.9 leading to 0.9 lagging

Tested according to:

EN 50549-1:2019/AC:2019