


## Test Verification of Conformity

On the basis of the referenced test report(s), sample(s) of the below product have been found to comply with the harmonized standards and Directives listed on this verification at the time the tests were carried out. Other standards and Directives may be relevant to the product.

Once all product relevant  mark directives are verified in compliance, the manufacturer may indicate compliance by signing a Declaration of Conformity themselves and applying the mark to product identical to the test sample(s) if the product complies with all relevant CE mark Directives requirements.

Applicant Name & Address:	Shenzhen Sinexcel Electric Co., Ltd Building 6, BaiWangXin High-tech, Industrial Park, Nanshan District, Shenzhen City, China
Product Description:	Single-stage Storing Device (Grid support utility interactive inverter)
Ratings & Principle Characteristics:	Refer to Annex to test verification of conformity
Models:	PWS1-150K, PWS1-100K, PWS1-50K, PWS1-250K
Brand Name:	Sinexcel
Relevant Standards/ Specifications/ Directives	EN 62477-1:2012 (First Edition) Safety requirements for power electronic converter systems and equipment Part 1: General Low Voltage Directive 2014/35/EU
Verification Issuing Office:	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch Block E, No.7-2 Guang Dong Software Science Park, Caipin Road, Guangzhou Science City, GETDD, Guangzhou, China
Date of Tests:	11 Jan., 2017 – 19 Jun., 2017
Test Report Number(s):	170111063GZU-001

This verification is part of the full test report(s) and should be read in conjunction with them.

Signature

Name: Grady Ye  
Position: Assistant Manager  
Date: 06 July 2017



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## Annex to Test Verification of Conformity

This is an Annex to Test Verification of Conformity with Verification/Report Number(s): 170111063GZU-001. The issuing office is Intertek Testing Services Shenzhen Ltd. Guangzhou Branch (Address: Block E, No.7-2 Guang Dong Software Science Park, Caipin Road, Guangzhou Science City, GETDD, Guangzhou, China).

### Ratings & Principle Characteristics

Model	PWS1-150K	PWS1-100K	PWS1-50K	PWS1-250K
Operating temp.	-20°C to +50°C (>45°C power derating)			
Protective Class	Class I			
Type of enclosure	IP 20			
Charger Mode				
AC input voltage	3W/PE, 400Vac			
AC input current	216A(238A max)	144A(159A max)	72A(79A max)	360A(397A max)
AC input power	150kW(165kWmax)	100kW(110kWmax)	50kW(55kW max)	250kW(275kW max)
AC frequency	50Hz			
Battery charge voltage	650Vdc(500Vdc-850Vdc)			
Battery charge current	231A( 300A max)	154A(200A max)	77A(110A max)	385A(500A max)
Utility Interactive Mode				
Battery discharge voltage	650Vdc(500Vdc-850Vdc)			
Battery discharge current	231A( 300A max)	154A(200A max)	77A(110A max)	385A(500A max)
AC output voltage	3W/PE 400Vac			
AC output current	216A(238A max)	144A(159A max)	72A(79A max)	360A(397A max)
AC output power	150kW(165kWmax)	100kW(110kWmax)	50kW(55kW max)	250kW(275kW max)
AC frequency	50Hz			
AC output PF	0.8leading to 0.8lagging			
Stand-alone Mode				
Battery discharge voltage	650Vdc(500Vdc-850Vdc)			
Battery discharge current	231A( 300A max)	154A(200A max)	77A(110A max)	385A(500A max)
AC output voltage	3W/N/PE, 400Vac			
AC output current	216A(238A max)	144A(159A max)	72A(79A max)	360A(397A max)
AC output power	150kW(165kWmax)	100kW(110kWmax)	50kW(55kW max)	250kW(275kW max)
AC frequency	50Hz			
AC output PF	0.8leading to 0.8lagging			

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