Intertek Legal Entity: Intertek Testing Service Shenzhen Ltd. Guangzhou Branch

Block E, No.7-2 Guang Dong Software Science Park, Caipin Road, Guangzhou Science City, GETDD, Guangzhou, China

Tel: (86) 20 82139688 Fax: (86) 20 32057538

Test Verification of Conformity

In the basis of the tests undertaken, the sample(s) of the below product have been found to comply with the requirements of the referenced specifications at the time the tests were carried out.

Applicant Name & Address:	**Shenzhen Sinexcel Electric Co., Ltd Building 6,BaiWangXin High-tech Industrial Park, Nanshan District,Shenzhen City,China**
Product Description:	**Bi-directional Hybrid Storage Inverter**
Ratings & Principle Characteristics:	**See Annex to Test Verification of Conformity**
Models:	**PWG2-100K-NA, PWG2-50K-NA**
Brand Name:	**Sinexcel (logo)**
Relevant Standards	**IEEE Std 1547™-2003 and IEEE Std 1547a™-2014 IEEE Standard for Interconnecting Distributed Resources with Electric Power Systems IEEE Std 1547.1™-2005 and IEEE Std 1547.1a™-2015 IEEE Standard Conformance Test Procedures for Equipment Interconnecting Distributed Resources with Electric Power Systems**
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:	**10 Apr 2016 to 14 Jul 2016**
Test Report Number(s):	**160114054GZU-001**

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

Intertek Electrical & Wireless China

Signature

Name: Grady Ye
Position: Assistant Manager
Date: 22 Aug 2016

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Annex to Test Verification of Conformity

This is an Annex to Test Verification of Conformity with Verification/Report Number(s): 160114054GZU-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	PWG2-100K-NA	PWG2-60K-NA
Operating temp.	-20℃ to+50℃ (>45℃ power derating)	
Charger Mode		
AC input voltage	480Vac(423Vac- 528Vac)	
AC input current	120A(132A max)	60A(66A max)
AC input power	100kW(110kW max)	50kW(55kW max)
AC frequency	60Hz(59.5Hz-60.5Hz)	
PV input voltage	600Vdc(520Vdc - 900Vdc, 520Vdc - 800Vdc MPPT)	
PV input current	200A max	100A max
PV input power	100kW(120kW max)	50kW(60kW max)
Battery charge voltage	450Vdc(250Vdc-750Vdc)	
Battery charge current	220A(260A max)	110A(130A max)
Utility Interactive Mode		
Battery discharge voltage	450Vdc(250Vdc-750Vdc)	
Battery discharge current	220A(260A max)	110A(130A max)
PV input voltage	600Vdc(520Vdc - 900Vdc, 520Vdc - 800Vdc MPPT)	
PV input current	200A max	100A max
PV input power	100kW(120kW max)	50kW(60kW max)
AC output voltage	480Vac(423Vac- 528Vac)	
AC output current	120A(132A max)	60A(66A max)
AC output power	100kW(110kW max)	50kW(55kW max)
AC frequency	60Hz(59.5Hz-60.5Hz)	
AC output PF	0.8leading to 0.8lagging	
Stand-alone Mode		
PV input voltage	600Vdc(520Vdc - 900Vdc, 520Vdc - 800Vdc MPPT)	
PV input current	200A max	100A max
PV input power	100kW(120kW max)	50kW(60kW max)
Battery discharge voltage	450Vdc(250Vdc-750Vdc)	
Battery discharge current	220A(260A max)	110A(130A max)
AC output voltage	480Vac	
AC output current	120A(132A max)	60A(66A max)
AC output power	100kW(110kW max)	50kW(55kW max)
AC frequency	60Hz	
AC output PF	0.8leading to 0.8lagging	

Intertek Electrical & Wireless China

Signature

Name: Grady Ye
Position: Assistant Manager
Date: 22 Aug 2016