


# Test Verification of Conformity

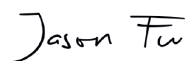
Verification Number: 240725070GZU-VOC001

On the basis of the referenced test report(s), sample(s) tested of the below product have been found to comply with the standards harmonized with the directives listed on this verification at the time the tests were carried out. Other standards and Directives may be relevant to the product. This verification is part of the full test report(s) and should be read in conjunction with it <them>.

Once compliance with all product relevant  mark directives are verified, including any relevant e.g. risk assessment and production control, the manufacturer may indicate compliance by signing a Declaration of Conformity themselves and applying the mark to products identical to the tested sample(s).

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:	See appendix of Verification of Conformity
Models/Type References:	PWS1-1725KTL-H-EX-; followed by one number; followed by M; followed by one number, followed by O or blank "O" mean the unit use outside, blank space mean the unit use indoor)
Brand Name:	Sinexcel
Relevant Standards/Directives:	IEC/EN 62109-1:2010 (First Edition) Safety of Power Converter for use in Photovoltaic Power Systems Part 1: General requirements IEC/EN 62109-2:2011 Safety of Power Converter for use in Photovoltaic Power Systems Part 2: Particular requirements for inverters EN 62477-1:2012+A12:2021 Safety requirements for power electronic converter systems and equipment Part 1: General Low Voltage Directive 2014/35/EU
Verification Issuing Office Name & Address:	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch Room 02, & 101/E201/E301/E401/E501/E601/E701/E801 of Room 01 1-8/F., No. 7-2. Caipin Road, Science City, GETDD, Guangzhou, Guangdong, China
Date of Tests:	25 Jul 2024 – 08 Apr 2025
Test Report Number(s):	240725070GZU-001, 240725070GZU-002, 240725070GZU-003,

Additional information in Appendix.



**Signature**

**Name: Jason Fu**

**Position: Supervisor**

**Date: 26 June 2025**

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## APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 240725070GZU-VOC001

Model	PWS1-1725KTL-H-EX-8M1/ PWS1-1725KTL-H-EX-8M1-O	PWS1-1725KTL-H-EX-7M1/ PWS1-1725KTL-H-EX-7M1-O	PWS1-1725KTL-H-EX-6M1/ PWS1-1725KTL-H-EX-6M1-O	PWS1-1725KTL-H-EX-5M1/ PWS1-1725KTL-H-EX-5M1-O
Battery terminal parameters				
Battery type	LFP/ lithium cell			
Battery voltage range	1070 V~1500 V			
Rated voltage	1250 V			
Rated charging/ discharging current	1380 A	1207 A	1035 A	863 A
Maximum charging/ discharging current	1612 A	1411 A	1209 A	1008 A
Rated charging/ discharging power	1725 KW	1509 KW	1293 KW	1078 KW
Grid terminal parameters				
Nominal a.c. input/ output voltage	690V, 3~PE			
Nominal a.c. input/ output frequency	50Hz			
Rated continuous input/output current	1443 A	1263 A	1082 A	902 A
Maximum continuous input/ output current	1587 A	1389 A	1190 A	992 A
Rated input/output active power	1725 KW	1509 KW	1293 KW	1078 KW
Rated/Maximum output apparent power	1725/1897 kVA	1509/1660kVA	1293/1423 kVA	1078/1186 kVA
Power factor	0.9 leading to 0.9 lagging			
Firmware version	V1.0			

Jason Fu

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**Name: Jason Fu**

**Position: Supervisor**

**Date: 26 June 2025**

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## APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 240725070GZU-VOC001

Model	PWS1-1725KTL-H-EX-4M1/ PWS1-1725KTL-H-EX-4M1-O	PWS1-1725KTL-H-EX-3M1/ PWS1-1725KTL-H-EX-3M1-O	PWS1-1725KTL-H-EX-2M1/ PWS1-1725KTL-H-EX-2M1-O	PWS1-1725KTL-H-EX-1M1/ PWS1-1725KTL-H-EX-1M1-O
Battery terminal parameters				
Battery type	LFP/ lithium cell			
Battery voltage range	1070 V~1500 V			
Rated voltage	1250 V			
Rated charging/ discharging current	690 A	517 A	345 A	172 A
Maximum charging/ discharging current	806 A	605 A	403 A	201 A
Rated charging/ discharging power	862 KW	646 KW	431 KW	215 KW
Grid terminal parameters				
Nominal a.c. input/ output voltage	690V, 3~PE			
Nominal a.c. input/ output frequency	50Hz			
Rated continuous input/output current	721 A	541 A	361 A	180 A
Maximum continuous input/ output current	793 A	595 A	397 A	198 A
Rated input/output active power	862 KW	646 KW	431 KW	215 KW
Rated/Maximum output apparent power	862/948 kVA	646/711 kVA	431/474 kVA	215/215 kVA
Power factor	0.9 leading to 0.9 lagging			
Firmware version	V1.0			

Jason Fu

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Position: Supervisor

Date: 26 June 2025

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## APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 240725070GZU-VOC001

Model	PWS1-1725KTL-H-EX-8M2/ PWS1-1725KTL-H-EX--8M2-O	PWS1-1725KTL-H-EX-6M2/ PWS1-1725KTL-H-EX-6M2-O	PWS1-1725KTL-H-EX-4M2/ PWS1-1725KTL-H-EX-4M2-O	PWS1-1725KTL-H-EX-2M2/ PWS1-1725KTL-H-EX-2M2-O
Battery terminal parameters				
Battery type	LFP/ lithium cell			
Battery voltage range	1070 V~1500 V			
Rated voltage	1250 V			
Rated charging/ discharging current	1380 A	1035 A	690 A	345 A
Maximum charging/ discharging current	1612A	1209 A	806 A	403 A
Rated charging/ discharging power	1725 KW	1293 KW	862 KW	431 KW
Grid terminal parameters				
Nominal a.c. input/ output voltage	690V, 3~PE			
Nominal a.c. input/ output frequency	50Hz			
Rated continuous input/output current	1443 A	1082 A	721 A	361 A
Maximum continuous input/ output current	1587 A	1190 A	793 A	397 A
Rated input/output active power	1725 KW	1293 KW	862 KW	431 KW
Rated/Maximum output apparent power	1725/1897 kVA	1293/1423 kVA	862/948 kVA	431/474 kVA
Power factor	0.9 leading to 0.9 lagging			
Firmware version	V1.0			

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Model	PWS1-1725KTL-H-EX-8M4/ PWS1-1725KTL-H-EX-8M4-O	PWS1-1725KTL-H-EX-6M4/ PWS1-1725KTL-H-EX-6M4-O	PWS1-1725KTL-H-EX-4M4/ PWS1-1725KTL-H-EX-4M4-O	PWS1-1725KTL-H-EX-2M4/ PWS1-1725KTL-H-EX-2M4-O
Battery terminal parameters				
Battery type	LFP/ lithium cell			
Battery voltage range	1070 V~1500 V			
Rated voltage	1250 V			
Rated charging/ discharging current	1380 A	1035 A	690 A	345 A
Maximum charging/ discharging current	1612 A	1209 A	806 A	403 A
Rated charging/ discharging power	1725 KW	1293 KW	862 KW	431 KW
Grid terminal parameters				
Nominal a.c. input/ output voltage	690V, 3~PE			
Nominal a.c. input/ output frequency	50Hz			
Rated continuous input/output current	1443 A	1082 A	721 A	361 A
Maximum continuous input/ output current	1587 A	1190 A	793 A	397 A
Rated input/output active power	1725 KW	1293 KW	862 KW	431 KW
Rated/Maximum output apparent power	1725/1897 kVA	1293/1423 kVA	862/948 kVA	431/474 kVA
Power factor	0.9 leading to 0.9 lagging			
Firmware version	V1.0			

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**Position: Supervisor**

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Model	PWS1-1725KTL-H-EX-8M8/ PWS1-1725KTL-H-EX-8M8-O	PWS1-1725KTL-H-EX-7M8/ PWS1-1725KTL-H-EX-7M8-O	PWS1-1725KTL-H-EX-6M8/ PWS1-1725KTL-H-EX-6M8-O	PWS1-1725KTL-H-EX-5M8/ PWS1-1725KTL-H-EX-5M8-O
Battery terminal parameters				
Battery type	LFP/ lithium cell			
Battery voltage range	1070 V~1500 V			
Rated voltage	1250 V			
Rated charging/ discharging current	1380 A	1207 A	1035 A	863A
Maximum charging/ discharging current	1612 A	1411 A	1209 A	1008 A
Rated charging/ discharging power	1725 KW	1509 KW	1293 KW	1078 KW
Grid terminal parameters				
Nominal a.c. input/output voltage	690V, 3~PE			
Nominal a.c. input/output frequency	50Hz			
Rated continuous input/output current	1443 A	1263 A	1082 A	902 A
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Model	PWS1-1725KTL-H-EX-4M8/ PWS1-1725KTL-H-EX-4M8-O	PWS1-1725KTL-H-EX-3M8/ PWS1-1725KTL-H-EX-3M8-O	PWS1-1725KTL-H-EX-2M8/ PWS1-1725KTL-H-EX-2M8-O	PWS1-1725KTL-H-EX-1M8/ PWS1-1725KTL-H-EX-1M8-O
Battery terminal parameters				
Battery type	LFP/ lithium cell			
Battery voltage range	1070 V~1500 V			
Rated voltage	1250 V			
Rated charging/ discharging current	690 A	518 A	345 A	172 A
Maximum charging/ discharging current	806 A	605 A	403 A	201 A
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Grid terminal parameters				
Nominal a.c. input/ output voltage	690V, 3~PE			
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Rated/Maximum output apparent power	862/948 kVA	646/711 kVA	431/474 kVA	215/237 kVA
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