

27 July 2022

Shenzhen Sinexcel Electric Co., Ltd
Building 6, BaiWangXin High-tech,
Industrial Park, Nanshan District, Shenzhen City,
CHINA

Attention: Wang Harvey, TÜV NORD (Hangzhou) Co., Ltd.

CERTIFICATION OF ELECTRICAL EQUIPMENT

It is our pleasure to issue you with the enclosed Certificate of Suitability EESS-220462-0.

Please check and ensure the details are correct in accordance with your application.

EESS Conformity Certification will upload the required certificate information to the National Database as detailed in the Australian / New Zealand Electrical Equipment Safety System (EESS), Equipment Safety Rules Appendix C.

The Responsible Supplier or their Authorised Representative is still required to register their equipment on the National Database as part of the EESS.

We remind you that the Regulatory Compliance Mark (RCM) must be used in accordance with its conditions of use as set out in the latest edition of [AS/NZS 4417.1](#).

The assessment was reviewed with the standards and conditions required by Clean Energy Council at the time of issue with test reports referenced, <https://www.cleanenergycouncil.org.au/industry/products>

Please arrange for the collection of any sample of the product which accompanied your application within 14 days of the date of this letter. If the sample has not been collected by this date, it will be disposed of without further notice.

Please note that as certification is based on type testing, modification to the electrical equipment in any way must be notified to EESS Conformity Certification for certification. Details of the modification may be advised by completing and submitting the form EESS-F01 "Application for Certification".

Any change to the name or address of the holder of the certificate must be notified to EESS Conformity Certification within one calendar month. Changes may be advised by completing and submitting the form EESS-F01 "Application for Certification".

An application for the transfer of the Certificate from the existing Certificate Holder to another Holder may be made to EESS Conformity Certification by completing and submitting the form EESS-F02 "Application for Transfer of Certificate Holder".

Should you have any further queries, please contact the undersigned.

Yours sincerely,



Certification Manager
For and on behalf of
Conformity Certification Services Pty Ltd



We'd love to know what you thought of our service. Please scan to fill in a brief survey or visit www.eessconformity.com



Certificate No.: EESS-220462-0

CERTIFICATE OF SUITABILITY

Certificate Holder: Shenzhen Sinexcel Electric Co., Ltd
Building 6, BaiWangXin High-tech,
Industrial Park, Nanshan District, Shenzhen City,
CHINA

Regulatory Definition: Non-declared / In-Scope
Product Type: Inverter System for CEC Listing –
Bi-directional energy storage Inverter

Risk Level: 1

Trade Name: Sinexcel

Model Nos:

PWS1-500KTL-EX-1M1	PWS1-500KTL-EX-2M1
PWS1-500KTL-EX-3M1	PWS1-500KTL-EX-4M1
PWS1-500KTL-EX-5M1	PWS1-500KTL-EX-6M1
PWS1-500KTL-EX-7M1	PWS1-500KTL-EX-8M1
PWS1-500KTL-EX-1M8	PWS1-500KTL-EX-2M8
PWS1-500KTL-EX-3M8	PWS1-500KTL-EX-4M8
PWS1-500KTL-EX-5M8	PWS1-500KTL-EX-6M8
PWS1-500KTL-EX-7M8	PWS1-500KTL-EX-8M8

Ratings: Refer to the AS/NZS report page 11, additionally the product Rating Label.
See Addendum, page 3

Standards: AS/NZS 4777.2:2020 [Test Report BL-DG2170046-B01]
IEC 62109-2:2011 with IEC 62109-1:2010 [Test Report BL-DG2250335-B01]

Conditions: To be installed by Licensed Electrician in accordance with the AS/NZS Wiring Rules, CEC Guidelines and the Manufacturer's Installation Manual. For indoor use.
This Certification does not consider other installation requirements or the additional [Clean Energy Council](#) (CEC) requirements for Grid Connected inverters or power conversion equipment.

Required marking: The Regulatory Compliance Mark (RCM) in accordance with its conditions of use as set out in the latest edition of AS/NZS 4417.1.

Date of Issue: 27 July 2022

Valid until: 26 July 2027

Conformity Certification Services Pty Ltd as accredited by JAS-ANZ under ISO/IEC 17065 certifies that the Electrical Equipment as described on this certificate complies with the minimum essential safety requirements for which the application has been made. Certification is based on type testing.

Certification Manager
For and on behalf of Conformity Certification Services Pty Ltd
trading as EESS Conformity Certification

Suite 3, 695 The Horsley Drive, Smithfield, NSW 2164, AUSTRALIA
www.eessconformity.com



www.jas-anz.org/register



Certificate No.: EESS-220462-0

CERTIFICATE ADDENDUM

Model or Type designation	PWS1-500KTL-EX-1M1	PWS1-500KTL-EX-2M1	PWS1-500KTL-EX-3M1	PWS1-500KTL-EX-4M1	PWS1-500KTL-EX-5M1	PWS1-500KTL-EX-6M1	PWS1-500KTL-EX-7M1	PWS1-500KTL-EX-8M1	
	PWS1-500KTL-EX-1M8	PWS1-500KTL-EX-2M8	PWS1-500KTL-EX-3M8	PWS1-500KTL-EX-4M8	PWS1-500KTL-EX-5M8	PWS1-500KTL-EX-6M8	PWS1-500KTL-EX-7M8	PWS1-500KTL-EX-8M8	
DC Input	Max. DC [V.d.c.]	900							
	Voltage Range [V.d.c.]	600-900							
	Full Power Voltage Range [V.d.c.]	600-900							
	Max. Input Current [A.d.c.]	109	218	270	436	545	654	763	873
	Overvoltage Category (OVC)	II							

D Wood

Certification Manager

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Rated	400,3L/PE							
Output Voltage [V.a.c.]								
Rated Output Frequency [Hz]	50 / 60							
Rated Output Power [kVA]	62.5	125	187.5	250	250	375	437.5	500
Max. Output Power [kVA]	68.7	137.5	205.2	275	343.8	412.5	481.2	550
Rated Output Current [A.a.c.]	90	180	270	360	450	540	630	720
Max. Output Current [A.a.c.]	99	198	297	396	495	594	693	792
Power Factor cosφ [λ]	0.8 ~1 leading or lagging							
Overvoltage Category (OVC)	III							

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System	Type of inverter	Non-isolated							
	Separated by	External transformer							
	Protective Class	Class I							
Enclosure Protection (IP)	IP20								
	Operating Temperature Range [°C]	-20~+50							
	Pollution degree (PD)	PD 2							
	Weight [kg]	250	300	350	400	450	500	550	600
	Size (W * H * D) [mm]	W1100*H2160*D800							

D Wood

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