



File Ref: CS11330N  
Contact: Admin Clerk  
Telephone: 02 9372 8312

Tang Hong  
Shenzhen Sinexcel Electric Co., Ltd.  
C/- CVC Testing Technology Co., Ltd.  
No 3, Tiantaiyi Rd, Kaitai Ave  
Science City, Guangzhou  
China 510663

Dear Sir/Madam

CERTIFICATE OF SUITABILITY: CS11330N

Inverter

Please find enclosed a Certificate of Suitability as sought by your application.

Articles of the approved type may be marked with the mark (or alternate approval mark) shown on the Certificate.

THE APPROVAL EXPIRES ON THE DATE SHOWN ON THE CERTIFICATE unless it is renewed, extended, suspended or cancelled.

Yours faithfully

For Secretary, Department of Customer Service



Electrical & Gas Approvals  
PO Box 972, Parramatta NSW 2124  
02 9372 8312

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# Certificate of Suitability

## Non-Declared Article

Pursuant to Section 16 (1) of the Gas and Electricity (Consumer Safety) Act 2017

**Certificate Number: CS11330N**

This is to certify that the article specified below is accepted by NSW FAIR TRADING as suitable for connection to public electricity supply in NEW SOUTH WALES in accordance with the provisions of AS/NZS 3000 and subject to the condition stated.

Issued to:	Shenzhen Sinexcel Electric Co., Ltd.
Article:	Bi-directional Storage Inverter [Three-phase non-isolated type Bi-directional Storage Inverter installed and connected to the grid network or as a standalone with 3 working modes: battery discharging to grid, battery charging by grid, battery discharging to load or AC output or both, housed inside metallic enclosure for indoor use.]
Trade Name or Mark:	SINEXCEL
Ratings:	<b>Battery:</b> Rated input voltage: 720V-1500Vd.c.; Max. charge current: 230Ad.c.; Max. discharge current: 230Ad.c. <b>AC Grid Side:</b> Rated voltage: 230/400Va.c.,3P4W+PE, 50/60Hz, Rated input/output power 160kW; Max. input/output apparent power: 176 kVA; Rated input/output current: 231A; Max. input/output current: 255A Power factor: 0.8 leading to 0.8 lagging Class I, IP66, ~136 Kg, W*H*D: 893*290*1090mm (Excluding handles and terminals); Over voltage Category: DC II; AC III
Type Reference Code:	PWS1-160M-H-EX
Examined for Compliance With:	IEC 62477-1:2022; AS/NZS 4777.2:2020 + A1:2021 + A2:2024
Nominated Marking:	CS11330N or approved alternate mark
Date of Approval:	26/11/2025
Approval Expires:	26/11/2030 unless suspended, cancelled, renewed or extended
Condition:	<ol style="list-style-type: none"><li>1. This certificate is issued subject to the article and approved variations being maintained at the specification/s of the article examined at the time of approval.</li><li>2. The assessment is based on electrical safety standards, compliance with performance requirements is excluded from the assessment.</li></ol>



On behalf of the Secretary, Department of Customer Service

For information regarding currency of this model approval, refer to the Fair Trading Website