

Certificate of Suitability

This is to certify that VICTORIAN ENERGY SAFETY COMMISSION has, in accordance with the Electricity Safety Act 1998 (Equipment Safety Scheme Regulation 2019), approved the electrical equipment described here under.

Certificate holder business name	Shenzhen Sinexcel Electric Co., Ltd
Certificate holder trade name	Shenzhen Sinexcel Electric Co., Ltd
Certificate holder address	Building 6, BaiWangXin High-tech Industrial Park, Nanshan District, Shenzhen City, China Shenzhen, Guangdong, 510663
Equipment level	Level0
Equipment class	BI-directional Hybrid Inverter
Equipment sub-class	
Generic name of equipment	
Date first issued	22/05/2022
Date of expiry	22/05/2027
Condition of certification	
Regulatory body	Energy Safe Victoria
Delegated signatory	



Adam Murdoch

Head of Electrical Equipment Safety & Efficiency

Regulatory details

Marking *	ESV220065/00
Relevant standards	AS/NZS 4777.2 2020 , Amd:1:2021 IEC 62109-1 2010 IEC 62109-2 2011

Compliant to Australia and New Zealand standards

* Electrical equipment covered by this certificate must comply in all respects with the certified article, and prior to being supplied or offered for supply, may be clearly and indelibly marked with the marking indicated above, or the Regulatory Compliance Mark (RCM) provided that the requirements of all relevant parts of AS/NZS 4417 applicable to the article are fulfilled.

Any modifications to the electrical equipment or its place of manufacture must be approved by VICTORIAN ENERGY SAFETY COMMISSION (ESV) prior to the equipment being supplied or offered for supply.

Notification must be given to VICTORIAN ENERGY SAFETY COMMISSION (ESV) of any change to the name or address of the holder of the certificate within 20 business days.

Equipment

Equipment family details

Protection against electric shock	Class I
Type of attachment	Other
Other	permanent connection
Type of fixing	fixed
Type of operation	heating appliance
Type of use	Unattended
Climate class	
Additional family details	Both models have identical mechanical and electrical construction except composed of different sets

Equipment Profiles

Equipment Profile 1

Certificate no. ESV220065

Uncontrolled Copy - Go to ees.vic.gov.au to verify the particulars of this certificate

Model	Trade name
PWG2-100K-EX	Sinexcel
Input	750Vdc, 100kW, 50Hz, 384A
Output	3N/PE, 230V/400Vac, 144A, 50Hz, 100kW
Nameplate	
Product example	
Equipment description	Bi-directional Hybrid Storage Inverter

Equipment Profile 2

Model	Trade name
PWG2-50K-EX	Sinexcel
Input	750Vdc, 50kW, 50Hz, 192A
Output	3N/PE, 230V/400Vac, 72A, 50Hz, 50kW
Nameplate	
Product example	
Equipment description	Bi-directional Hybrid Storage Inverter

Nameplates

Product examples

Certificate no. ESV220065

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History of certificate

ESV220065/00 (New)

22 May, 2022

Certificate for BI-directional Hybrid Inverter issued

Certification approved on 22 May, 2022

Delegated signatory



Adam Murdoch

Head of Electrical Equipment Safety & Efficiency

22 May, 2022