File Ref: CS11357N
Contact: Admin Clerk
Telephone: 02 9372 8312

Michelle Li
Guangzhou Felicity Solar Technology Co., Ltd.
C/- Bureau Veritas Shenzhen Co., Ltd. Dongguan Branch
No.96, Houjie Section, Guantai Rd
Houjie Town, Dongguan
Guangdong, China 523942

Dear Sir/Madam

CERTIFICATE OF SUITABILITY: CS11357N AND VARIATION/S

Inverter

Please find enclosed a Certificate of Suitability and addendum 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

Email: energyapprovals@customerservice.nsw.gov.au
Website: www.fairtrading.nsw.gov.au

Certificate of Suitability
Non-Declared Article

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

Certificate Number: CS11357N

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:	Guangzhou Felicity Solar Technology Co., Ltd.
Article:	Hybrid Inverter [Three-phase wall-mount Hybrid Inverter equipped with two DC inputs and with four MPP trackers enclosed in metallic enclosure with an operation and display panel.]
Trade Name or Mark:	felicity solar
Ratings:	**AC Input/Output:** 3L+N+PE; Rated Power: 50 kW; Max. Power: 55 kW; Rated Current: 72.5A; Max. Current: 79.7A; Rated AC Voltage: , 220/380Va.c., 230/400Va.c. (-20% - + 15%); Rated Frequency: 50/60Hz (45-55Hz/55-65Hz); Power Factor Range: 0.8(leading) to 0.8(lagging); **PV String Input:** Max. DC Input Power: 80kW; Max. DC Input Voltage: 1000Vd.c.; Min. DC Input Voltage: 150Vd.c.; MPPT Range: 150-850Vd.c.; Full Load DC Voltage Range: 555-850Vd.c.; PV Input Current 36+36+36+36(A); Max. PV Isc: 55+55+55+55(A) **Battery Input Data:** Voltage Range: 160-800Vd.c.; Max. Charging Current: 50+50(A); Max. Discharge Current d.c.: 50+50(A) **General:** Operating Temperature Range: -40 Degrees Celsius to 60 Degrees Celsius, >50 Degrees Celsius Derating; Protection Class: I; Ingress Protection: IP65; Overvoltage Category: II (DC); III (AC)
Type Reference Code:	IVGM50KHP3G2
Examined for Compliance With:	IEC 62109-1:2010; IEC 62109-2:2011; AS/NZS 4777.2:2020+A1+A2
Nominated Marking:	CS11357N or approved alternate mark
Date of Approval:	04/02/2026
Approval Expires:	04/02/2031 unless suspended, cancelled, renewed or extended

Conditions:

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.**
2. **The assessment is based on electrical safety standards, compliance with performance requirements is excluded from the assessment.**

NSW Certified Government

On behalf of the Secretary, Department of Customer Service

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