

Mr Phillip Shepherd
Power - One Energy Solutions Pty Ltd
PO Box 6953
SILVERWATER BC, NSW 1811

File Ref: CS9220N
Contact: Admin Clerk
Telephone: 02 9895 0722
Fax: 02 9895 0735

Dear Sir/Madam

CERTIFICATE OF SUITABILITY: CS9220N AND VARIATION/S

Grid-feeding Power Inverter

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

Articles of the approved type may be marked with –

- (a) the mark (or marks) shown on the Certificate; or
- (b) the Regulatory Compliance Mark (RCM) provided that the requirements of all relevant parts of AS/NZS 4417 applicable to the article are fulfilled.

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

Any sample/s held by the Office should be collected within fifteen (15) days of this letter or the sample/s will be destroyed.

Yours faithfully,



for Commissioner for Fair Trading
09 November 2009



Certificate of Suitability

This is to certify that articles of the same type as the article specified below and variations so specified are accepted by the OFFICE OF 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.

Article:

Solar Grid Connected Inverter

Input:

System Voltage: 600Vdc Max.

Operating Voltage Range: 90-580Vdc

Maximum Operating Current: 18A

Max Array Short Circuit Current: 22A

Output:

Operating Voltage: 230V,ac

Continuous Output Current

Current: 30A

Max Cont Power@50°C: 6kW

Max Output Overcurrent

Protection:35A

Trade Name or Mark: 'Aurora'

Volts:

Watts:

Other Name Plate Particulars: Op Amb Temp: -25°C..+60°C

Degree Of Protection: IP65; Protection Class I

Amperes:

Hertz: 50 Hz

Identification: PVI-6000-OUTD-S-AU

**Examined for compliance with: AS4777.2 & 3 : 2005; AS/NZS 3100: 2002 A1-3
AS/NZS 60950 : 2003 A1-3**

Issued to: Power- One Energy Solutions Pty Ltd

Nominated Marking: CS9220N;

Conditions:

- 1. This certification will be withdrawn automatically if an article of this type is declared pursuant to the Electricity (Consumer Safety) Act, 2004.**
- 2. This certificate is issued subject to the article and approved variations being maintained at the standard of the article examined at the time of approval.**

Approved: 09/11/2009

This approval expires 09/11/2014 unless suspended, cancelled, renewed or extended.

for Commissioner for Fair Trading

ADDENDUM TO CERTIFICATE OF SUITABILITY CS9220N

Particulars of Modification(s)

The following Model Nos. being similar to original Model No. PVI-6000-OUTD-S-AU except as follows:-

- (a) PVI-6000-OUTD-AU : Without DC Integrated Switch.
- (b) PVI-5000-OUTD-AU : Output rating of 5000W in lieu of 6000W and without the DC Integrated Switch.
- (c) PVI-5000-OUTD-S-AU : Output rating of 5000W in lieu of 6000W and with DC Integrated Switch.
- (d) PVI-4.2-OUTD-AU : Output rating of 4200W in lieu of 6000W and without DC Integrated Switch.
- (e) PVI-4.2-OUTD-S-AU : Output Rating of 4200W in lieu of 6000W and with DC Integrated Switch.
- (f) PVI-3.6-OUTD-AU : Output Rating of 3600W in lieu of 6000W and without DC Integrated Switch.
- (g) PVI-3.6-OUTD-S-AU : Output Rating of 3600W in lieu of 6000W and with DC Integrated Switch.
- (h) PVI-6000-OUTD-AU-W : Designed for use with Wind Turbines in lieu of a Photovoltaic Array.

Model No. PVI-3.6-OUTD-AU-W being similar to Model No. PVI-4.2-OUTD-S-AU except being designed for Wind Turbines in lieu of a Photovoltaic Array and an Output Rating of 3600W.

Approved: 09 November 2009



for Commissioner for Fair Trading