



innovation in design and construction

Gamcorp (Melbourne) Pty Ltd A.C.N 141 076 904 A.B.N 73 015 060 240 <a href="https://www.gamcorp.com.au">www.gamcorp.com.au</a> melbourne@gamcorp.com.au 1/19 Anthony Drive, Mount Waverley VIC 3149. Tel: 03 9803 9533 Fax: 03 9802 9125

Our Ref: 23939

18 February 2013

Clenergy Australia 18/20 Duerdin Street Clayton North VIC 3168

## **Array Frame Engineering Certificate**

## Installation of PV-ezRack® SolarRoof on Tin and Tile Roof

Gamcorp (Melbourne) Pty Ltd, being Structural Engineers within the meaning of Australian Building Regulations, have carried out a structural design check of PV-ezRack  $^{(\!R\!)}$  SolarRoof installation within Australia. The design check has been based on the information in the *PV-ezRack SolarRoof\_Code Compliant planning and Installation\_Guide AV\_V2.2* and schematic drawings of the system components by Clenergy (Xiamen) Technology Co. Ltd., provided by Clenergy Australia.

We find the Installation of PV-ezRack $^{(\!R\!)}$  SolarRoof on tin and tile roof to be structurally sufficient for Australian use based on the following conditions:

- Wind Loads to AS/NZ1170.2:2011 Admt 2-2012
- Wind Region A, B, C, D
- Wind Terrain Category 2 & 3
- Wind average recurrence interval of 100 years
- Maximum Building height 20 m
- Max. Solar Panel Dimensions 2000x1000

## Refer to attached summary table for interface spacing.

Construction is to be carried out strictly in accordance with the manufacturers instructions. This work was designed in accordance with the provisions of Australian Building Regulations and in accordance with sound, widely accepted engineering principles.

Yours faithfully, Gamcorp (Melbourne) Pty Ltd

Martin Gamble Managing Director

MAICD

<u>Milan Bjelobrk</u>

MIEAust, CPEng, NPER 2210984,

RPEO 12090, RBP EC-38461, NT BPB 139671ES