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Ecolibrium Solar
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RE: EcoX Gen 2 Flush Mount Solar Photovoltaic Modular Framing System
Engineering Certification for EcoX Gen 2 Installation based on 2013 California Building Code


At your request JVA, Inc. has reviewed the EcoX Gen 2 Installation Guide (Rev 1.3) and Report No. R1-ELS150128B by TUV Rheinland titled Ecolibrium Solar EcoX, Gen 2 Rack Mounting System and Clamping Device dated September 3, 2015 that details testing results on the EcoX Gen 2 mounting system. This system utilizes aluminum components and stainless steel hardware to flush-mount photovoltaic modules with a mean roof height of 60 feet or less.

The EcoX2 Estimator Version 3.0 dated June 16, 2015 located at <http://ecox-estimator.ecolibriumsolar.com/> allows users to calculate acceptable clamp spacings based on wind and snow loads. These loads are calculated based on "Minimum Design Loads for Buildings and other Structures (ASCE/SEI 7-10) and the 2013 California Building Code published by the California Building Standards Commission. Due to the wide variety of roof geometries, the EcoX2 Estimator does not include loads associated with unbalanced snow loads which would need to be accounted for in the design of photovoltaic systems on applicable roofs.

This letter verifies that the structural calculations used to create the tables attached to the specific EcoX2 Estimator noted are in compliance with the above codes and standards with the parameters described above.

Sincerely,

JVA, Inc.

By: 
Brett A. Robinson, P.E.
Senior Project Manager

Reviewed by: _____
Thomas S. Soell, P.E., LEED AP
President

