

January 8, 2024

Unirac, Inc.  
1411 Broadway Boulevard NE  
Albuquerque, New Mexico 87102  
TEL: (505) 242-6411  
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Re.: Innova Technologies No.: 124-099-1000  
**Unirac Large Array (ULA) Design Tool – Maryland**

Attn: Engineering Services

Innova Technologies Inc. has reviewed Unirac's ULA design tool and design methodology. The design tool's methodology is approved and acceptable for the code-compliant, ground mount racking structure supporting photovoltaic (PV) modules. The ULA Design uses Unirac's ground Fix Tilt (GFT) posts with their NXT U-Mount rails.

All analysis and information in the ULA design tool's formulas and tables comply with the following:

- 2009 through 2021 International Building Code, by International Code Council Inc. with SEAOC PV2 Provisions.
- ASCE/SEI 7-05 through 7-16 Minimum Design Loads and Other Structures, by American Society of Civil Engineers.
- Maryland Building Performance Standards (MBPS) based on the *2018 IBC*.
- 2005 through 2020 Aluminum Design Manual, by the Aluminum Association.

This letter certifies that the structural analysis of the racking members, connections and foundation designs are in compliance with the above codes. This design tool does not review the structural capacity of the PV panels themselves.

The U-Builder tool should be used under review of a registered design professional where required by the authority having jurisdiction.

For more information, see the construction drawings and manufacture installation instructions and brochures. This analysis does not include specific corrosion requirements.

Best Regards,

  
Robert Naples  
Vice President  
Innova Technologies, Inc.



01/09/2024

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 41219, Expiration Date: 11/30/2025

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