Technical Assistance Request

Sundial Solar Components LLC is developing a solar tracker that is uniquely designed for residential rooftops that is meant to utilize the current racking in the residential market.



Sundial is requesting support and advice from those with experience in mechanical certifications and testing of solar trackers and solar panel racking systems. We are developing an innovative residential rooftop solar tracker and want to provide the highest level of safety to our future customers. As part of this process, we intend for our solar tracking mounts to pass the UL 2703 (covering rack mounting systems) and UL 3703 (covering solar trackers) certifications. In addition to these certifications Sundial solar tracking mounts will need to be certified to function in extreme winds and as such we are developing the mount to withstand the most stringent of wind regulations in the United States; aid in evaluating our system's durability in the wind is needed. Finally, we are looking for laboratories who can aid in running seismic tests to determine the survivability of our product in seismic events. The

support of any company or institution who has experience in the engineering requirements or process of testing panel mounts and solar trackers will be appreciated.

We predict that the certification process for our product will be more involved than comparable products due to its deviation from standard solar products. It will be mounted on a residential rooftop and so will need to meet requirements for racking, mounting, grounding, etc. in a residential space. However, the mechanical movement required to track the sun is not common on a residential rooftop and will add additional complexities in both the design and testing.

In addition, Sundial Solar Components will be searching for capital in the coming months to further develop our product. We are looking for angel investors, VCs, etc. for funding and investment. If there are parties interested in funding innovative and new technology in the solar market, please reach out for further discussions.

Assistance Requested:

- Investment and funding to further develop our technology
- Virtual meetings to discuss others' experience with running tests and passing certification testing
- Discussions of engineering tips to design for testing and certification
- Sharing resources and regulations related to the testing and certification process
- Connectors who will point us to the best organizations and facilities to partner with for testing
- Connecting us with third parties who may be of assistance in this process
- Etc.

Thank you for your assistance.