



Sesame Solar, Inc.

Technical Assistance Request

Based on our experience with designing the Sesame Solar Nanogrids, we need assistance with the following:

1. **Electrical Certification** – We currently use electrical components that adhere to all national electrical codes & military specs. We need help in optimizing our electronic assemblies for scalability.
2. **Energy Storage Solution** – We would like to work with the right partners from the American Made Solar network to spec out alternative Battery storage systems with longer life cycles, longer shelf life, lower cost per kWh, more rugged, non-inflammable and lighter in weight.
3. **Wind Resistance Analysis** – We need help in analyzing wind resistance for different form factors of the Sesame Solar Nanogrids.
4. **Finite Element Analysis (F.E.A)** – We are using various metals in the construction of the Sesame Solar Nanogrids. We would like to be connected with the right partners from the American-Made Solar network to source alternative materials, which are lighter, stronger and more economical.
5. **Stress Analysis** – We need some help in optimizing the design of the current frame structure to reduce stress on our Nanogrids' solar walls when they are deployed.
6. **PAYGO** – We would like to partner with PAYGO partners and experts within the American-Made Solar network to offer best-in-class metered power and water on a transactional basis, and to establish business models that can thrive in emerging markets.