

Request for Technical Assistance

Yotta Solar Inc. (Yotta) would like to request technical assistance to expand the ongoing testing and validation of the SolarLEAF. We aim to measure the overall thermal regulation and power efficiency of our DC-coupled, modular, solar energy storage solution against commercially available energy storage technologies.

Specifically, technical assistance is being sought in connection with helping design our product from prototype to mass production scale. A few labs have expressed interest in adding SolarLEAF to their roster of storage technologies being benchmarked on round trip efficiency, capacity fade and other grid-centric services. The objective of this DOE funded benchmark project is to compare commercially available storage options alongside TRL7+ technologies such as Yotta's SolarLEAF that the American Made Solar Prize would help us pay for.

The goal will be to produce a comprehensive report of –

- The performance gains from having a DC-coupled panel level micro-storage under different operating conditions over three months
- Measure the ability to respond to different grid service requests like demand charge reduction, fast response, duck curve mitigation potential, etc.
- Invite regulatory personal from certifying agencies like UL, IEC, NFPA to ensure our design is built to address current and future product certifications & codes.

We would prefer a lab who has a site that is equipped with monitoring and control equipment designed for measuring energy storage, which would allow research personnel to run realistic load scenarios on a variety of competitive equipment. This will segue into the proposed next phase that can be funded in-part by the American-Made Solar Prize money we receive.

The purpose of these tests will ultimately be to validate our technology and gather data to support the economic and technical case for why the SolarLEAF should be the preferred solution for use on commercial buildings, compared to existing expensive, centralized storage systems.

Mr. Vikram Iyengar - Chief Technology Officer at Yotta, is available to answer any questions in relation to this request. He would welcome the opportunity of developing the details of a suitable program of technical assistance in the identified areas and coordinating as appropriate with other international organizations and donors involved in assisting us to meet our goals in this respect.

We look forward to hearing from the American-Made Network and engaging with interested parties to help validate and improve upon our technology.

Sincerely,

Vikram Iyengar

CTO & President - Yotta Solar Inc.