

## Technology Assistance Request

iSun requests connectors or other potential partners to help it in the following areas:

### 1. Solar irradiance prediction model API

The challenge of properly predicting the power generated by a solar system is particularly important for solar canopy powered, battery-based systems, since they will be offered as points of resiliency for the growing EV market. We would like to work with collaborators who have done such modeling before to provide accurate information to such system site owners.

### 2. Modeling of public EV charging power requirements

In order to ensure that we are matching power requirements to EV charging requirements, we would appreciate having support from any team which has experience in such modeling. Public charging sites vary in their volume, duration of charge, and more variables which may be location based and based on EV population in the areas to which we would like to deploy such systems.

### 3. Selection of the right solar panel technology to maximize power produced by a canopy design

The maximization of solar power produced is a key ingredient of the delivery of assured EV charging. Variations in shading, angle and availability of clear sunlight will create challenges in determining the right system sizes. We'd like to work with teams that have experience in such technologies.

### 4. IoT system architecture design experience.

The IoT system architecture is critical in ensuring that our cloud-based reporting systems have up to the minute information delivered so that the AI-code can make proper decisions on the availability of charging power and then to distribute that power according to site owner specs to the various EV chargers.