

# Solar For Education Tech Package

**Mission:** Ensure PV arrays on schools are functioning correctly and providing valid, secure, useful data. Work with educators to incorporate this data into existing curriculum to advance workforce development.

## Solar for Education Tech Package:

- Provides access to a collaborative network
- LoRa Integration in weather stations, energy meters (for facilities, plug meters (for appliances), and inverter communication
- Data from aforementioned technologies will be seamlessly integrated into the cloud network for easy use in curriculum that meets Next Generation Science Standards.
- Software application allowing stakeholders to access data from hardware into an API (web service)
- Completely wireless package
- Teachers and students can easily install all parts of the package, excluding the in-panel energy meter which will be installed by a trained electrician.

## Solar for Education Components



### Energy Submeter Gateway\*

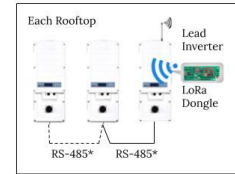


\* Requires Electrician

### LoRaWAN Cloud Providers



### Wireless PV Inverter Communications



### Wireless Weather Station



### Wireless Classroom Plug Loads

