Solar Battery

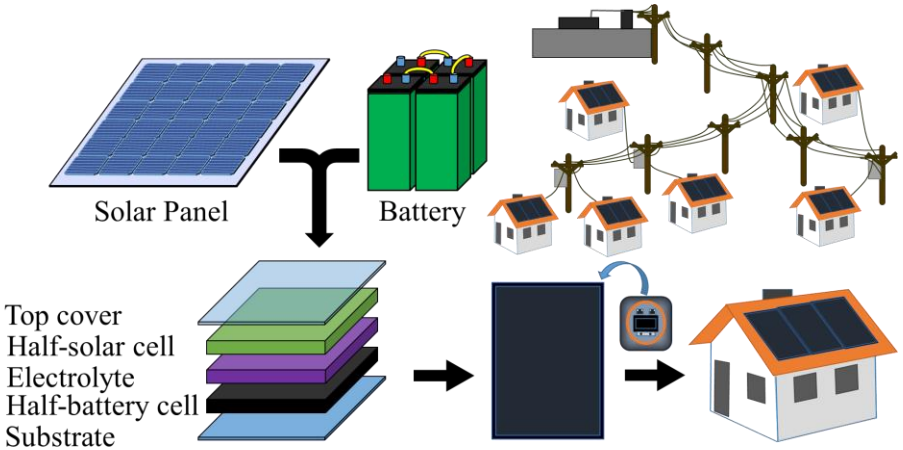
A novel solar + battery system in one device

MIplus Solar, Inc.

Mission: Realize the full potential of solar PV by taming the power of the sun.

Problem Statement

- The power production from solar PV panels is intermittent and affected by the weather.
- Without energy storage solar PV systems cannot provide power when the grid is down, or at night.
- Battery systems add value to solar PV in terms of dispatchability and resiliency, but the cost is outside the reach of many end-users.



Solar Battery Technology

- Highly-integrated design stores energy seamlessly within the panel.
- Integration done at the device level, providing 2 systems in 1 architecture.
- True “cell-level energy storage” transforms solar PV into a controllable and dispatchable energy source.
- Materials are stable in the open-air and resistant to oxygen and humidity.
- Amenable for manufacturing in the open-air environment.
- Materials are abundant, cost effective, and environmentally friendly.
- Manufacturing process is scalable and cost competitive.
- Engineered to feel, handle, and look like a standard solar PV panel.
- Replacement technology takes full advantage of existing supply chain.