



## Perovskite BIPV Rooftops

# PeroNova's Building-Integrated Photovoltaics (BIPV) for Rooftops Using Perovskites!

### The PeroNova Advantage Over Traditional C-Si PV Panels

**30% Lower Cost** - The lower manufacturing cost significantly reduces the conventionally high upfront costs associated with BIPV

**Solar-Integrated Roofing** - Ability to be integrate as rooftops rather than being mounted on top, significantly enhancing the aesthetic appeal of rooftop installations. This approach makes solar energy more visually appealing, addressing the aesthetic concerns that hinders wider adoption.

**Greater Electricity Generation** - With comparable efficiencies to traditional panels but better performance under weak light conditions, PeroNova's PV panels generate more electricity throughout the day

**Lower Carbon Footprint** - Unlike traditional silicon panels, perovskite PV requires no high-temperature processing, reducing energy consumption in manufacturing by 60%

### Our Progress

Our first **1MW production line** in LA is now fully set up and operational

**5 Patents** for world-class Perovskite manufacturing standards, secured from **NREL**

**26%** efficiency for single-junction solar cells in lab

Only **0.5%** loss in efficiency in our panels in first year

### Our Team

We have officially onboarded a top-tier team of experts in perovskite technology, the solar industry, business and finance, and startups