

# CHIPS: Corrugated Housing Integrated Photovoltaic Systems

Corrugated solar roofing panels adapted for accelerated residential deployment and grid impact through affordability and system simplicity.

Project Impact and Takeaway:

- Corrugated sheets provide significant material and weight savings compared to a flat plate of equivalent stiffness.
- ▲ ● Corrugations can add 5-10% solar energy generation when compared to conventional panels.
- Otherlab can realize a 2-4X reduction in glass weight and total elimination of aluminum framing.
- Cost reduction of 3.6-4.2c/W per module from a 35-45c/W baseline.
- Installation costs and effort reduced by turning two systems (roof and solar panels) into one.



Otherlab



