

Replacing Aluminum PV Frames with Roll-Formed Steel

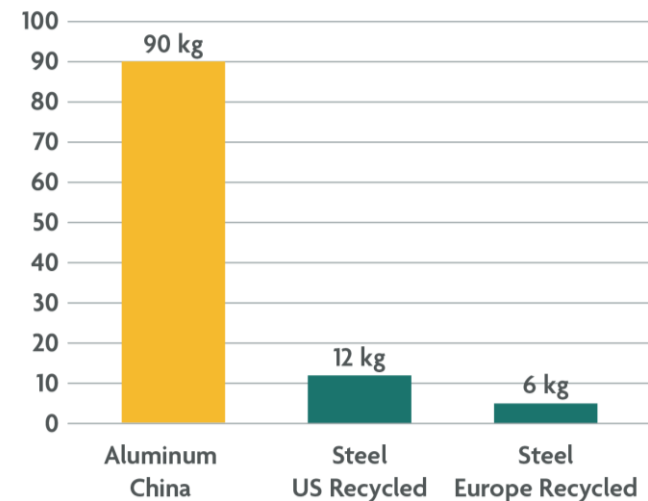
Design – Material – Savings

Since the PV solar industry's founding 20 years ago, module costs have fallen from \$4/Watt to less than \$0.40/Watt while little innovation has occurred in the module frame. Origami Solar plans to change that with the introduction of roll-formed steel frames. Our frames replace existing aluminum frames that have high costs, extreme GHG content, 100% foreign manufacturing, and little racking integration.

Origami Solar's frames:

- Achieve \$2.00-5.00/frame of cost savings
- Create a domestic supply chain with US steel + US manufacturing + US jobs
- Integrate installation features to reduce labor and hardware
- Lessen GHG content by up to 87%
- Improve manufacturing efficiency

GHG EMISSIONS PER FRAME



Steel frame undergoing UL and IEC testing

Existing aluminum frames:

- Have a high GHG footprint
- Require foreign material, manufacturing, and supply chain

Steel can transform the solar supply chain through



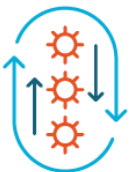
LCOE Reduction



Clean Manufacturing



Job Creation



Vertical Integration