

Novel PV Panel Mounting System for Manufactured Home Industry

Problem

- Solar installer biz model forces small jobs to be priced over \$4.50/W
- 2-3kW systems could offset 50% or more of electric bill for LMI/rural but PV penetration abysmally low
- Rural Americans spend highest % of income on energy

Solution

- Combine (a) minimal roof prep at MH plant with (b) new panel mounting system that allows quick on-site assembly by MH crew or resident to create (c) 2-3kW systems with Tier 1 components for <\$2.00/W
- ~100,000 new MHs/year; NTA inspects/certifies more of them than any other company
- Portable Solar + TECSI prototyping similar system for ground placement



portable solar

