

American-Made Solar Prize, Round 7

Prepared for [PowerMe](#)

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Objective:

3D printed solar: automated carport drives commercial solar market & expands EV charging adoption in LMI communities. (while improving worker safety, product quality & saving \$0.15-\$0.20/W for installers)

Planned scope of work:

Engineer, assemble and validate 3D printed, pre-assembled proof-of-concept carport product

Tasks:

- *Design proof-of-concept parts for fabrication & 3D printing*
- *Build proof-of-concept 3D printed Park0 tower*
- *Complete preliminary structural analysis*

Deliverables:

- *Design & build proof-of-concept 3D printed Park0 tower*
- *Structural analysis & updated budget analysis*
- *Additional validation from community & commercial stakeholders*

