

**DISCOVER PRODUCTS**

- 10 x 48-48-5120-H AES RACKMOUNT Battery Modules
- 2 x AES RACKMOUNT Battery Module Combiners (950-0049)
- 12 x Quick Stack Racks (950-0050)
- 1 x LYNK II (950-0025)

OTHER EQUIPMENT

- 1 x SolArk 15K Inverter
- 32 x 400 W Tamarack Solar Panels
- 1 x Generator combiner panel
- 1 x 200 A bypass switch
- 1 x Mini-split air conditioner

APPLICATION

Off-grid power with grid-like performance

REQUIREMENT

Retrofit a complete off-grid power system with:

- Minimal power disruption to the property
- Minimal environmental impact to local vegetation

**OVERVIEW****AES RACKMOUNT 48-48-5120**

Done Right Electrical (DRE) was called in by NAZ Solar Electric to help design and implement a complete power system retrofit of an off-grid residence in Yucca, Arizona.

DRE moved the old lead battery bank out of the way of the inverter shed and installed a new system that resulted in more useable shed space with more than 4 times the capacity of the old system, all while limiting the power outage to the property to one day. And careful location of a new Tamarack ground mount array with thirty-two 400 watt panels allowed installation without disturbing the local vegetation.

The new system consists of a Sol-Ark 15K inverter backed by ten AES RACKMOUNT 48-48-5120 lithium batteries. And because the system operates in the desert heat, a mini-split air conditioner was also installed to keep the batteries and the inverter operating at their best, for many, many years to come.

DRE-Solar

Off-Grid Solar Installations in Northern Arizona

