



DISCOVER PRODUCTS

- 8 x 48-48-5120-H AES RACKMOUNT Battery Modules
- 8 x Quick Stack Racks (950-0050)
- 1 x LYNK II (950-0025)

OTHER PRODUCTS

- 1 x Sol-Ark 15K-2P Inverter
- 48 panel, 19.2 kW ground mount array
- 3 x Victron Energy Lynx Power In

APPLICATION

Off-grid like living while still connected to the grid

REQUIREMENT

Minimize dependence on grid power with a solar energy system that can power the home, even during a power outage



OVERVIEW

AES RACKMOUNT 48-48-5120-H

Done Right Electrical (DRE) is a solar installer, operating out of Kingman, Arizona, focusing on quality installations with first-rate solar components and electrical gear.

This installation in Wickenburg, Arizona is a zero export, self-consumption, optimized grid-tied system. The homeowner intends to produce as much electrical energy as possible to mimic off-grid living, and to maximize storage of the harvested electricity to provide backup power in case of a power outage.

The installed system includes a 48 panel, 19.2 kW ground mount array, a Sol-Ark 15K-2P Hybrid Inverter, and 8 AES RACKMOUNT batteries that can store up to 40 kWh of energy. This system supplies nearly all of the home's electrical needs, which includes, in addition to the usual home appliances, two wall-mount air conditioners and a deep-well pump. Grid power is used only in the early morning hours to maintain at least 40% SOC in the batteries for enough reserve to power the home in the event of an outage, a common occurrence in the area.

DRE-Solar

Off-Grid Solar Installations in Northern Arizona