



DISCOVER PRODUCTS

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

OTHER PRODUCTS

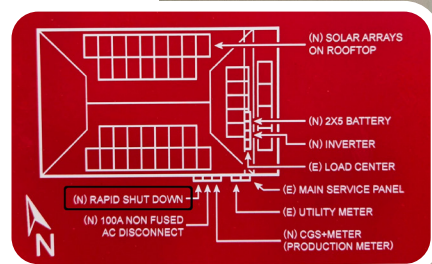
- Sol-Ark 15K-2P-N Hybrid Inverter
- PV Array

APPLICATION

Grid-tied, battery backup, self consumption

REQUIREMENT

Reduce energy bills and provide backup power for emergencies



OVERVIEW

AES RACKMOUNT 48-48-5120



Renewable Energy Services (RES) designed and installed a solar system with energy storage in Honokaa, located along the Hamakua Coast of Hawaii.

The system features rooftop solar arrays that capture sunlight to generate photovoltaic (PV) energy. This energy is stored in ten AES RACKMOUNT batteries and regulated by a Sol-Ark 15K-2P-N Hybrid Inverter, which converts DC energy from the batteries into AC power for seamless home use. A [rapid shutdown switch](#) is provided for added safety.

By reducing reliance on the electrical grid, the system lowers utility bills and enhances energy efficiency during peak demand. Additionally, it provides reliable battery backup to safeguard against blackouts, ensuring uninterrupted power even during grid failures.