



DISCOVER PRODUCTS

- 3 x AES RACKMOUNT Slimline Enclosures (950-0053)
- 18 x 48-48-5120 AES RACKMOUNT Battery Modules
- 1 x LYNK II Gateway (950-0025)

OTHER PRODUCTS

- 3 x Sol-Ark 15K-2P-N Hybrid Inverters
- PV Array

APPLICATION

Whole home backup, self consumption

REQUIREMENT

Reduce energy bills and provide backup power in case of an emergency



OVERVIEW

AES RACKMOUNT 48-48-5120

The AES RACKMOUNT Slimline Enclosure’s sleek, clean design and UL9540 DC ESS certification make it the ideal choice for homes in tropical settings like Kukio Resort in Kailua Kona, Hawaii.

Renewable Energy Services (RES) designed and installed a solar power system with integrated energy storage to meet the homeowner’s energy goals. The system provides reliable backup energy for home appliances, lowers monthly electric bills, and offers peace of mind even during severe weather conditions.

Rooftop solar arrays harness Hawaii’s abundant sunlight to generate energy, which is stored in eighteen AES RACKMOUNT batteries housed in three Slimline Enclosures. Three Sol-Ark 15K-2P-N Hybrid Inverters efficiently convert stored DC energy into AC power for household use. This setup ensures uninterrupted operation during peak demand, reduces energy costs, and provides sufficient backup to prevent blackouts during power grid failures.

