



DISCOVER PRODUCTS

- 12 x 48-48-5120 AES RACKMOUNT Battery Modules
- 2 x AES RACKMOUNT Battery Module Combiners (950-0049)
- 14 x Quick Stack Racks (950-0050)

OTHER PRODUCTS

- 3 x Outback Radian 8048A inverters
- 3 x Outback FM100 Charge Controllers
- 1 x Outback Mate3s controller
- 16.8 kW of solar panels
- 30 kW diesel generator

APPLICATION

Grid-tie with battery and solar, with generator backup

REQUIREMENT

Good, clean, uninterruptible power

OVERVIEW

Discover AES RACKMOUNT 48-48-5120

Solar Freedom, experienced installers operating in the Bahamas, knew exactly what the owners of the “Goodness and Mercy” residential, vacation home in the Bahamas wanted in a power system when they were finally fed up with the sporadic and dirty power offered by the utility. Intermittent shut downs, grid instability, and extreme weather such as hurricanes that cause long-term power disruptions are a common occurrence in the Bahamas. All the owners wanted was clean, reliable power, in a location where that is a struggle.

The resulting solar and battery power system consists of 16.8 kW of solar panels, integrated with 3 Outback Radian 8048A inverters and 12 AES RACKMOUNT battery modules for 60 kW/h of power, with a 30 kW diesel generator as backup for when solar and battery are unavailable.

Now all the lights and appliances in the home work properly, and a connection to the grid isn't even required anymore.



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