

**DISCOVER PRODUCTS**

- 4 x 48-48-5120-H AES RACKMOUNT Battery Modules (900-0067)
- 1 x AES RACKMOUNT Slimline Enclosure (950-0050)
- 1 x LYNK II Gateway (950-0025)

OTHER PRODUCTS

- 1 x Noark Ex9N-DH-8KS-AU Hybrid Inverter
- 11.88 kW Solar Array

APPLICATION

Green home with grid independence

REQUIREMENT

- Save money on electricity
- Reliable, affordable power, available 24/7

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

First Choice Solar, located in Australia, collaborated with DPA to ensure their solar solution was ideal for homeowners John and Elizabeth, who live on the outskirts of Gold Coast, Queensland. The couple resides in a semi-rural environment; they are connected to the electrical grid but not the town's water supply. Instead, they rely on multiple water pumps and wells for running water.

Queensland experiences many storms every year, with some reaching the level of tropical cyclones. These storms can cause significant damage to the electrical grid, making backup energy storage essential.

The installation is a zero-export, self-consumption, grid-tied system. Continuous power is required 24/7 to operate the water pumps and other essential services, such as the refrigerator and freezer. The installed system includes an 11.88 kW solar array, a Noark 8K Hybrid Inverter, and four AES RACKMOUNT batteries that can store up to 20.48 kWh of energy housed in the durable AES RACKMOUNT Slimline Enclosure. This system meets most of the home's electrical needs, covering typical home appliances as well as multiple water pumps.

