



# Amaroo Aged Care Facility

## Hot water and Solar PV upgrade



### GENERAL INFORMATION

- **Site address:** Berrigan NSW 2712
- **Average daily electrical load:** 415.31 kWh
- The aged care facility contains 30 beds and 1 kitchen

### Site Description

- Took the project from concept design engineering commissioning
- Rolled out an integrated end to end service

### OUR SOLUTION

- Installed a 60 kW Solar PV system, consisting of 206x 290w mono crystalline modules and top-quality inverters
- Comprehensive solar monitoring system
- A mixture of tilt and flush mounting to maximize the cost effectiveness of the system and preserve aesthetics

### RESULTS: Solar PV



Estimated Annual Savings

**\$14,319**



CO<sub>2</sub>e Reduction Equivalent (p.a.)

**63.8 Tons**



Payback

**4.4 Years**



Electricity Consumption Reduction (p.a.)

**14,319 kWh**



## OUR SOLUTION

- identified a Solar PV and Solar Hot- water system to achieve our goals
- Took the project from concept- design-engineering-commissioning

## RESULTS: Solar Hot-Water



Estimated Annual Savings

**\$9,832**



CO<sub>2</sub>e Reduction Equivalent (p.a.)

**38.16 Tons**



Payback

**6.5 Years**



Electricity Consumption Reduction (p.a.)

**162,742 kWh**

