

BELFIELD MONTESSORRI ACADEMY – 12kW ROOFTOP PV



GENERAL INFORMATION

Site Address: 2 Persic St, Belfield NSW 2191

Type: Early Learning and Childcare complex

Daily Energy Usage: 300 kWh

SITE DESCRIPTION

- Montessori is a leading childcare provider, operating a recently refurbished child care facility in Belfield
- The site operates 5 days per week with an exclusively daytime load comprising mainly of a HVAC system and lighting.
- Montessori Academy is environmentally conscious and are actively looking to reduce their carbon footprint as part of a larger rollout

OUR SOLUTION

- A 12 kW Solar PV system, consisting of 30 x 400W Jinko Solar panels, sized for maximum daytime load reduction
- Individual SolarEdge Panel Optimisers minimise the effect of local shading on system performance

RESULTS



**Estimated
Annual Savings**

\$6,171



**CO₂ Emission
Reduction**

13.22 Tons



Payback

3.1 Years



**Annual kWh
Saved**

16,160

