

# ORAN PARK MONTESSORRI ACADEMY – 50kW ROOFTOP PV



## GENERAL INFORMATION

**Site Address:** 102 Oran Park Drive, Oran Park NSW 2570

**Type:** Early Learning and Childcare complex

**Expected Daily Energy Usage:** 800 kWh

## SITE DESCRIPTION

- Montessori is a leading childcare provider, opening yet another quality facility located on a newly developed block of land.
- This beautifully designed building features a Klip-Lok roof, with the main loads expected to be the 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 50 kW Solar PV system, consisting of 156 x 320W multi-crystalline panels, sized for maximum daytime load reduction
- Non-penetrative mounting system with 10 degree tilt frame to optimise energy yield and preserve aesthetics
- The system is expected to reduce the sites energy bills by over 40%

## RESULTS



**Estimated  
Annual Savings**

**\$20,395**



**CO<sub>2</sub> Emission  
Reduction**

**58.63 Tons**



**Payback**

**2.3 Years**



**Annual kWh  
Saved**

**70,635**

