CASE STUDY:
ORAN PARK MONTESSORRI ACADEMY – ROOFTOP PV

Atlas Renewables
A WORLD OF DIFFERENCE

GENERAL INFORMATION

Site Address: 102 Oran Park Drive, Oran Park NSW 2570
Type: Childcare
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	CO_2e Reduction Equivalent (p.a.)	Payback	Electricity Consumption Reduction (p.a.)
$20,395	58.6 Tons	2.3 Years	70.6 MWh

MONTESSORI ACADEMY