

ALEXANDRIA MONTESSORI ACADEMY 26kW ROOFTOP PV



GENERAL INFORMATION

Site Address: 2/160 Bourke Road, Alexandria NSW 2015

Type: Early Learning and Childcare Complex

Daily Energy Usage: 458 kWh

SITE DESCRIPTION

- 1400m² complex consisting of offices, open plan classrooms, outdoor play areas, and utility rooms.
- Lighting and AC loads are considered critical to maintain Australian standards for an educational facility, and to maintain student comfort levels

OUR SOLUTION

- 26 kW Solar PV System, consisting of 94 x 275W polycrystalline modules
- Reduces the daily electrical load of the facility by 36%
- Matching of solar system's production profile to large daytime loads greatly reduced the facility's peak demand capacity.

RESULTS



**Estimated
Annual Savings**

\$8,678



**CO₂ Emission
Reduction**

30.1 Tons



Payback

2.8 Years



**Annual Energy
Reduction**

36.3 MWh

