

# BOX HILL MONTESSORRI ACADEMY – 17kW ROOFTOP PV



## GENERAL INFORMATION

**Site Address:** 528 Elgar Rd, Box Hill North VIC 3128

**Type:** Early Learning and Childcare complex

**Daily Energy Usage:** 350 kWh

## SITE DESCRIPTION

- Montessori is a leading childcare provider, operating a recently refurbished child care facility in Box Hill
- The site previously has 5kW solar system and desires to have more system to cover their afternoon electrical usage
- 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 17 kW Solar PV system, consisting of 44 x 370W Risen 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

**\$5,171**



CO<sub>2</sub> Emission  
Reduction

**22.3 Tons**



Payback

**2.9 Years**



Annual kWh  
Saved

**25,620**

