

# Woolwich Residential – 9.1kW Solar PV



## GENERAL INFORMATION

Site Address: Woolwich NSW 2110

Building Type: Residential

Daily Electricity Usage: 210 kWh

## SITE DESCRIPTION

- It is a home office which consumes a lot of energy during the day and desires to reduce the overall energy usage throughout the day
- Multiple roof orientation needs extra attention to details for system design

## OUR SOLUTION

- Installed 9.1 kW PV system with 26 x LG NeON 350W modules and 1 x 8kW SMA Inverters along with 7.5 kWh Sonnen battery that enables to cover the electricity usage for both night and day
- With multiple roof angle, Tygo Optimisers used in 18 of the panels to optimised the generation of the system
- Reduces electricity load by 39%



## RESULTS



Estimated  
Annual Savings

**\$3,418**



Annual CO<sub>2</sub>e  
Reduction

**11.53  
Tonnes**



Payback

**7.1  
Years**



Annual Electricity  
Consumption  
Reduction

**12.95 MWh**