

KARRAS PRESTIGE SMASH REPAIRS – 12kW ROOFTOP PV



GENERAL INFORMATION

Site Address: 38 Liverpool Road, Ingleburn NSW 2565

Type: Panel Beating and Mechanical Workshop

Daily Energy Usage: 150.58 kWh

SITE DESCRIPTION

- Karras Prestige Smash Repairs is a leading family owned panel beating business, with a 700m² workshop with multiple workstations, hydraulic lifts, industrial lighting, and HVAC.
- Their constant air compressor load is critical to maintain instantaneous pneumatic tool availability, and to meet Australian standards for ventilation of the paint room.

OUR SOLUTION

- Installed a 11.9 kW Solar PV System, consisting of 36 x 330W multicrystalline modules.
- Reduced daily electrical load by 30%
- Carefully sized PV System supplies the workshop's daytime HVAC and compressor loads while minimising export to the grid, ensuring maximum financial benefit.



RESULTS



Estimated
Annual Savings

\$3,339



Annual CO₂e
Reduction
Equivalent

13.6 Tons



Payback

3.7 Years



Annual Electricity
Consumption
Reduction

16,199 kWh

