

Summary of the SunPower 4.2 kW Photovoltaic solar array

Solar Panel Array

14 x SunPower SPR - 300 – WHT-I solar Panels

- Panel efficiency = 18.4%
- Cells – (96 per panel) SunPower all back contacted monocrystalline

SunPower solar Panels convert sunlight into DC electrical power.

Inverter (red box)

SMA Sunny Boy SB3800 PV inverter (Transformer type)

The inverter converts the DC power from the array to AC power suitable for powering the shearing shed, pumps, workshop, house, feeding back into the grid and most importantly recharging electric vehicles!

Averages – 7000 kWh per year produced

- Over 7 tonnes of CO₂ reduced from entering the atmosphere (= 14,000 wheelie bins of CO₂ e)

[Professional system design and Installation by an approved Solar Installer \(Ethical Energy\) has maximised this systems efficiency.](#)

<http://www.ethicalenergy.com.au/>