

Solar & Storage Solutions



Expertise & Integrity

Anser use accredited Clean Energy Council installer/designer and Professional Engineers to provide an expert assessment of your solar and storage needs.

Anser are entirely independent of any supplier and will only make a recommendation based upon thorough analysis of energy use and maximum suitability to your needs.

Anser are qualified Engineers and Business Consultants with experience in a broad range of industries. Our aim is to empower your organisation to achieve its goals.

Why Solar PV?

Solar PV now provides a reliable and cost effective way for organisations to reduce their energy cost and greenhouse gas (GHG) emissions. Many organisations use most of their energy during the daytime which provides excellent correlation to solar PV production.

Solar PV has the added advantage over grid supply of producing energy that is free of GHG emissions. Quality solar PV panels will last 25 years or more, and most suppliers provide a performance warranty to this effect.

What are the savings?

A well designed Solar PV system provides a strong return on investment, particularly compared to other investment options in this low interest rate environment.

In Western Australia it is not unusual to see commercial peak energy costs of \$0.40 per kWh or more. For example, Synergy's R3 tariff is \$0.45 per kWh* on peak between 8am and 10pm weekdays. Anser's economic modelling indicates a well sized roof mounted solar PV system can supply energy for around \$0.10 per kWh after rebates, depreciation, interest & maintenance costs are included.

What to look for?

Anser will guide you through the process:

- Analyse your energy bills to determine appropriate system size and calculate potential savings
- Conduct rooftop shading analysis
- Scope a system and assist with vendor selection.

Why battery storage?

Battery Energy Storage Systems (BESS) for home and commercial use are rapidly evolving. This has lead to development of durable lithium ion (Li-ion) and flow batteries for large scale storage. Mass manufacturing and development is driving prices down and performance up in much the same way solar PV evolved.

What are the savings?

A BESS may be incorporated in a hybrid solar-storage system or as standalone. In a solar-storage system, excess solar generated energy is stored and may be used by the business when solar is not available but tariffs are still high. This requires the site to have sufficient roof space to generate excess solar PV energy.

In a standalone system, the BESS is charged from the grid during off-peak and discharged during on-peak period. Synergy's R3 off-peak tariff is \$0.138 per kWh*, so tariff savings exceed \$0.31 per kWh (saving of 69% compared to on peak grid supplied). As the cost of storage declines the payback period for this investment reduces.

What next?

Anser will analyse your energy needs and how a solar or storage solution can benefit your business.

* Synergy's Business Time of Use Fifty® R3 tariff including GST



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