WEIN ENGINEERING ASSOCIATION CONFERENCE 25.07.18

Topics covered by this presentation

- Introduction to the main applications for stationary batteries for wineries and discuss their benefits.
- Discuss the difference between peak shaving and load shifting.
- Show that peak shaving has the largest benefit.

THE SOLAR PROJECT

WEIN ENGINEERING ASSOCIATION CONFERENCE 25.07.18

About The Solar Project

- SA Owned leader in energy services provider and contractor specialising in Commercial Solar Power Projects
- Key Activities
  - Energy productivity planning & implementation
  - Integrate renewable energy & complimentary technologies
- Established in 2011 by Owners & Directors David Buetefuer and Theodore Strecker – 34 combined years continuous industry experience

TSP THE SOLAR PROJECT

SOUTH AUSTRALIA

About The Solar Project

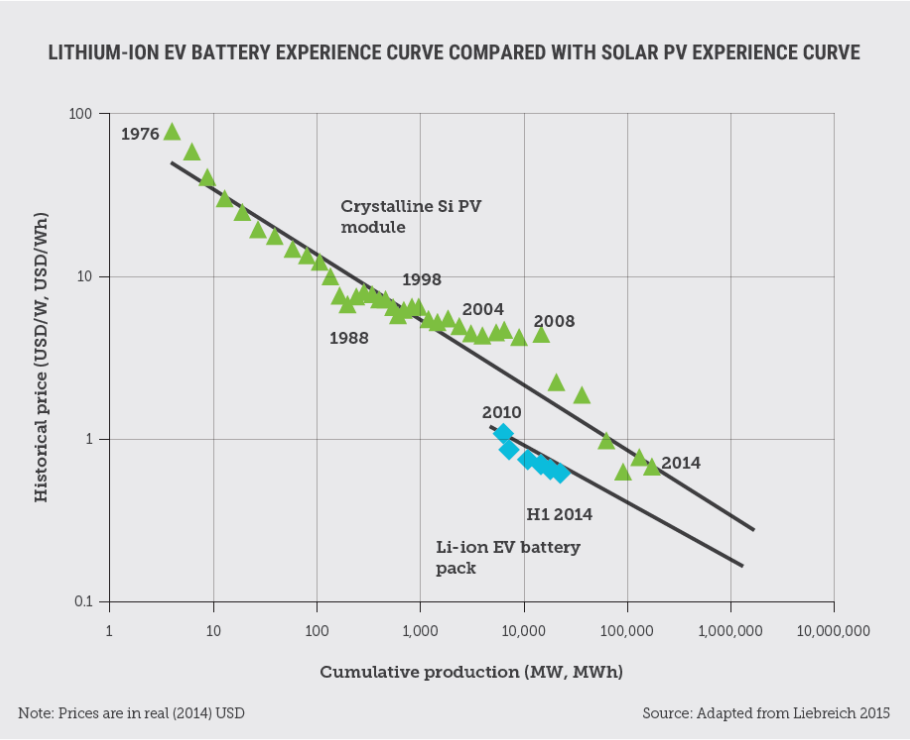
The Solar Project Mission: To free South Australian businesses from the grid through enabling them to take control of their energy productivity.

- Founding Partner of Carbon Neutral Adelaide

Founding Partner
CARBON NEUTRAL ADELAIDE

WEIN ENGINEERING ASSOCIATION CONFERENCE 25.07.18

Why are batteries in the news?



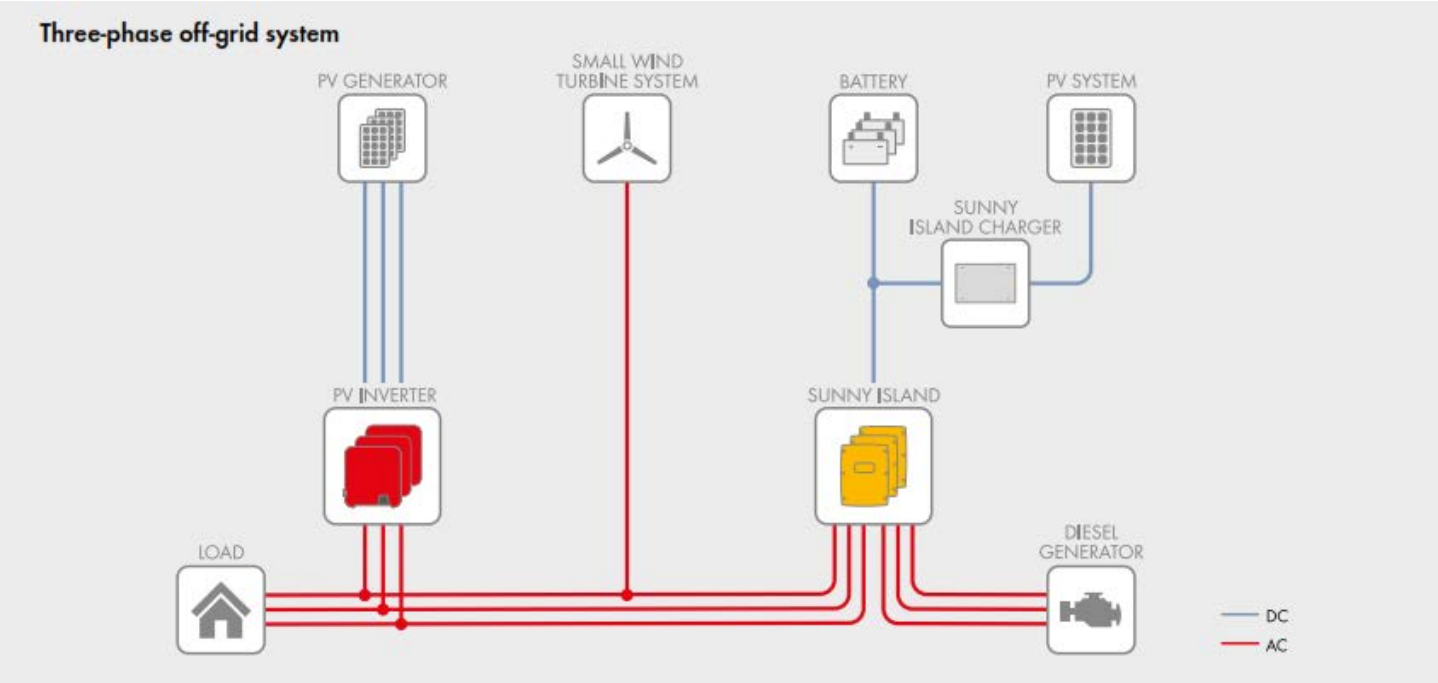
THE SOLAR PROJECT

On-Site Battery Energy Storage System (BESS) applications

1. Off-grid
2. Back-up
3. UPS
4. Load shifting / Storage of renewable energy
5. Peak shaving / Securing demand reduction
6. Deferring infrastructure augmentation
7. Other storage applications

WEIN ENGINEERING ASSOCIATION CONFERENCE 25.07.18

1. Battery use in off-grid power supply



THE SOLAR PROJECT

2. Back-up power supply

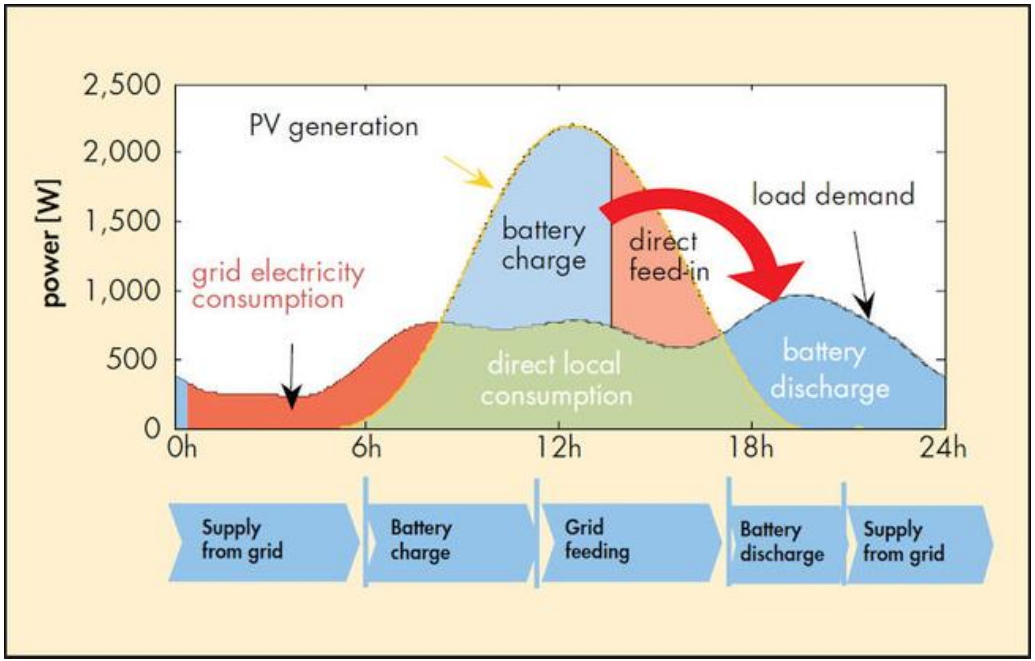
Improve Supply Security/Blackout protection:

3. Uninterrupted power supply (UPS)

Blackout protection for essential servicers:

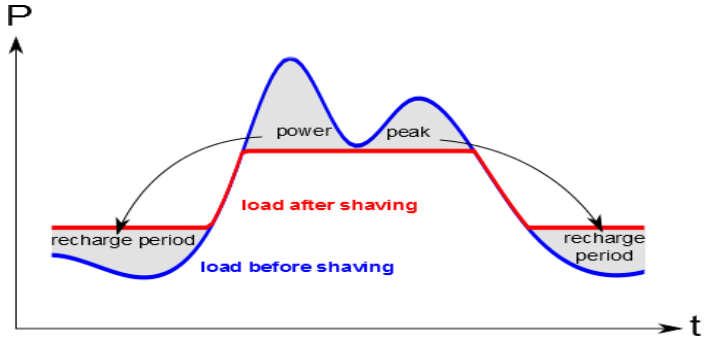
4. Load shifting

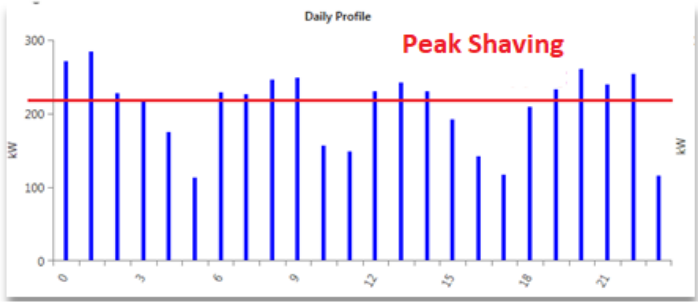
Increase self consumption of renewable energy



5. Peak lopping

Securing reduction in demand charges





WEIN ENGINEERING ASSOCIATION CONFERENCE 25.07.18

6. Deferring infrastructure augmentation

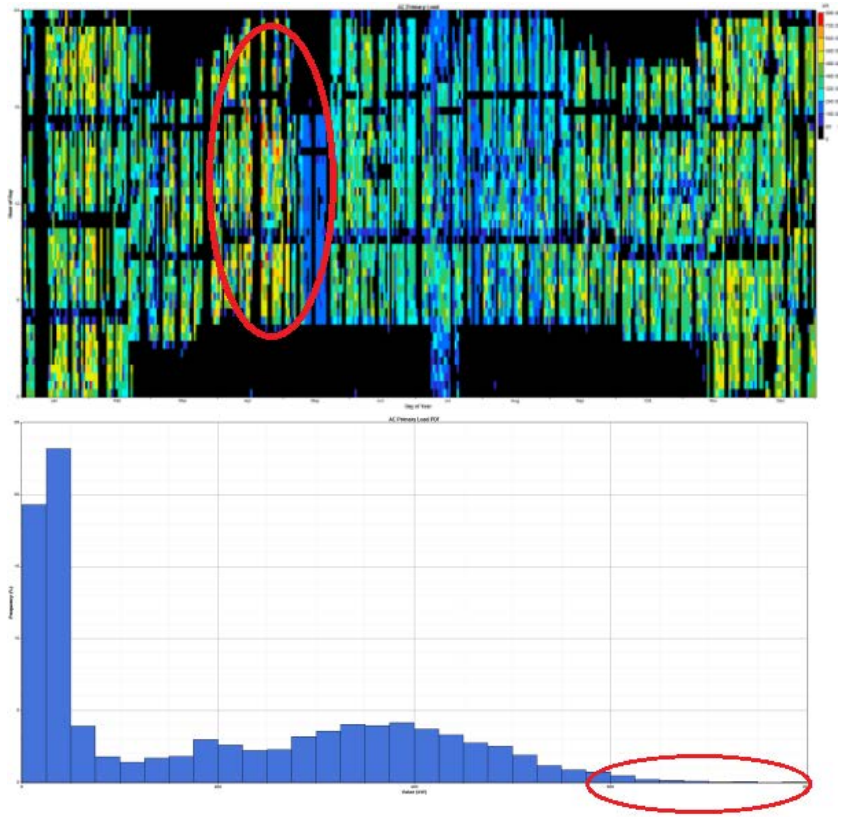
THE SOLAR PROJECT

7. Other storage applications

Thermal Energy Storage Systems

WEIN ENGINEERING ASSOCIATION CONFERENCE 25.07.18

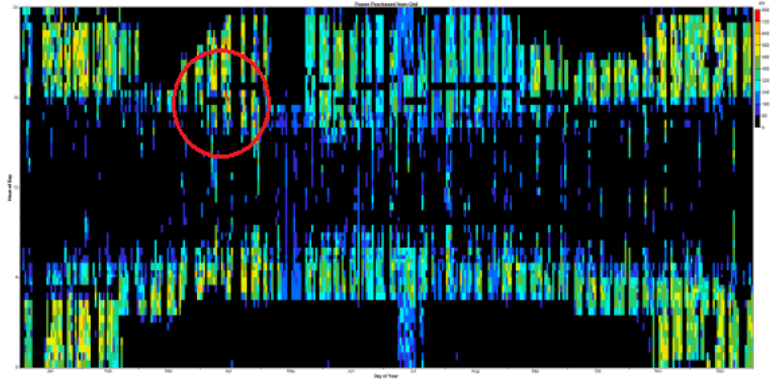
Case study 1: Battery no solar.

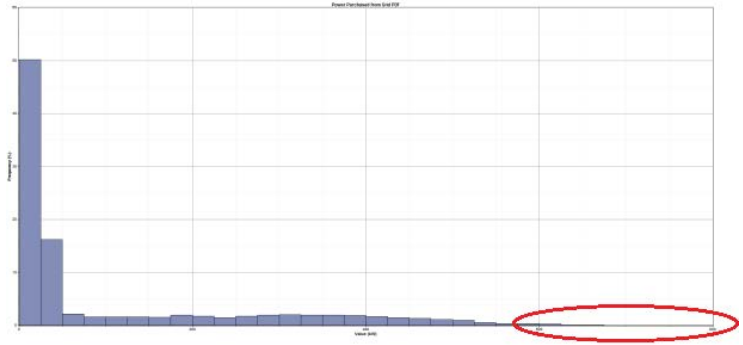


THE SOLAR PROJECT

WEIN ENGINEERING ASSOCIATION CONFERENCE 25.07.18

Case study 1: battery with a solar system





THE SOLAR PROJECT

WEIN ENGINEERING ASSOCIATION CONFERENCE 25.07.18

Topics covered by this presentation

- Introduction to the main applications for stationary batteries for wineries and discuss their benefits.
- Discuss the difference between peak shaving and load shifting.
- Show that peak shaving has the largest benefit.

THE SOLAR PROJECT

THANK YOU

Contacts:
The Solar Project
National Project Office
20 Dewer Avenue
Ridgehaven
SA 5097

David Buetefuer
Director of Sales and Business Development

T 1 300 778 561
M 0426 830 607
E david@thesolarproject.com.au

THE SOLAR PROJECT

SOUTH AUSTRALIA

Founding Partner CARBON NEUTRAL ADELAIDE