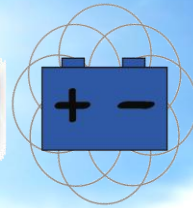




solapowa
powasave



BATTERY ENERGY STORAGE SYSTEMS

Battery Systems that won't leave you in the Dark!!



Powered by
Schneider
Electric





adelaide solarsafe.

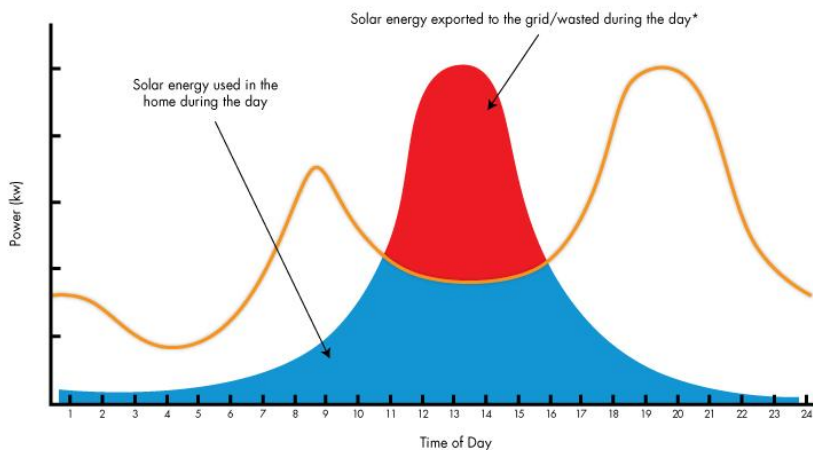
WE WON'T LEAVE YOU IN THE DARK!



Adelaide Solarsafe are proud to introduce an exciting new energy storage system to store household electricity. The SOLAPOWA POWASAVE unit allows excess electricity produced by your Solar System to be Stored and Used in your home rather than wasting it by sending it back to the grid SAVING YOU MONEY!!

MAKE THE SHIFT...

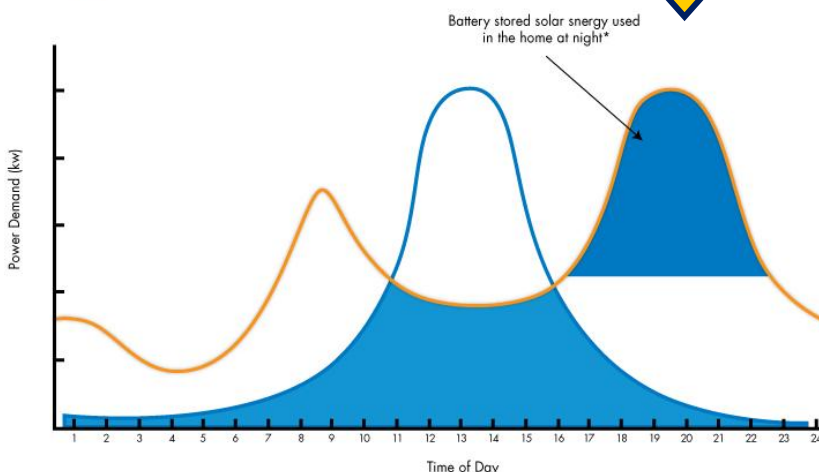
Typical electricity demand curve*



*For illustration purposes only. Profiles and usage patterns shall vary between homes.



Typical electricity demand curve*



*For illustration purposes only. Profiles and usage patterns shall vary between homes.

A SOLAR SYSTEM WHICH WORKS DAY & NIGHT

The self consumption model is powered by a technically advanced high efficiency Schneider Electric hybrid inverter charger. Schneider Electric are global specialists in energy management and manufacture some of the highest premium products in the world. Powasave incorporates state of the art sealed HIGH EFFICIENCY maintenance FREE batteries which store excess electricity produced by solar panels mounted on the roof. The Powasave storage unit can be retrofitted to an existing solar photovoltaic array or alternatively can be installed with new solar panels to provide a complete one stop energy solution.

Instead of sending electricity generated by your solar panels during the day back to the electricity grid for 'next to nothing' and paying high prices for the same electricity when required, later at night, the stored electricity in the batteries, is automatically made available and ready to use by your home.

Electricity produced during the day is used by the home with 'excess' electricity channelled into the battery storage unit which is then stored for later use when the sun is not shining.



Energy Storage Technology

- Powered by Schneider Electric Inverter Charger
- Pre-assembled and pre-configured cabinet incorporating Schneider Electric inverter charger, batteries, circuit and surge protection
- Tough, corrosion resistant, powder coated steel enclosure with lockable doors, natural cooling & with temperature activated fan backup
- Suited for either indoor or outdoor installation*
- Remote connectivity & generator support packs available as optional extras

MODEL NUMBER	PS12 - 12V - 48	PS12 - 02V - 48	PS22 - 02V - 24
Inverter/Charger	Schneider Electric XW4548-230-50	Schneider Electric XW4548-230-50	Schneider Electric XW4024-230-50
Continuous Power Backup	4500 watts, 230 VAC (tolerance +/-3%)	4500 watts, 230 VAC (tolerance +/-3%)	4000 watts, 230 VAC (tolerance +/-3%)
Network Number of Phases	Single	Single	Single
Type of Signal	True Sine Wave	True Sine Wave	True Sine Wave
Output Current	19.6A	19.6A	17.4A
Network Frequency	50 +/- 0.1 Hz (output)	50 +/- 0.1 Hz (output)	50 +/- 0.1 Hz (output)
Harmonic Distortion	< 5% at rated power	< 5% at rated power	< 5% at rated power
AC Input Voltage	230 VAC	230 VAC	230 VAC
DC Input Current	96A (at rated power)	96A (at rated power)	178A (at rated power)
DC Charging Current	85A	85A	150A
Efficiency	95.6% (peak)	95.6% (peak)	94% (peak)
Power Consumption	<7 W (search model)	<7 W (search model)	<7 W (search mode)
Battery Type	Sealed Absorbed Glass Matt (AGM)	Sealed Valve Regulated Tubular Plate GEL (VRLA)	Sealed Valve Regulated Tubular Plate GEL (VRLA)
Battery Nominal Voltage	12 VDC	2 VDC	2 VDC
Battery Number	4 (batteries wired in series)	24 (batteries wired in series)	12 (batteries wired in series)
Battery Nominal Capacity	260Ah @ C10 (10 hour rate @ 25°C)	250Ah @ C10 (10 hour rate @ 25°C)	954Ah @ C12 (12 hour rate @ 25°C)
Battery System Nominal Working DC Voltage	48 VDC	48 VDC	24 VDC
Battery Storage Capacity	12kWh	12kWh	22.9kWh
Lifespan	> 800 cycles @ 50% DoD**	> 1500 cycles @ 80% DoD**	> 1850 cycles @ 70% DoD**
Available Energy	5kWh @ 50% DoD**	8.5kWh @ 80% DoD**	15kWh @ 70% DoD**
Warranty - Cabinets, Electrical Equipment & Batteries***	1 year	1 year	1 year
Warranty - Conext Inverter/Charger	5 years	5 years	5 years
Part Number	30.001.163A	30.001.165A	30.001.164A



Shop 2/296 Brighton Road
BRIGHTON NORTH SA 5048

T 8296 4145 F 8296 4186

E andy@adelaidesolarsafe.com.au

W adelaidesolarsafe.com.au

*Outdoor applications to be placed out of direct weather and out of direct sunlight, sheltered undercover positions only. **Lifespan of batteries & available energy figures are estimates only based on 12 hour discharge rates @ 25 degrees celcius. Schneider Electric is a registered trademark and owned by Schneider Electric Industries SAS or its afflicted companies. Solapowa is a registered trademark of OZRoll Pty Ltd. ***Excluding fuses and surge arrestors.