



Contact Us:

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## GCP-S8.2-3.5 Series Grid Connect Battery Power system

### GREEN AND SUSTAINABLE

Save the planet while saving money. The average home in 1 yr pumps over 5 tons of carbon pollution into the atmosphere in electricity usage alone.

### SAFE, QUIET AND STABLE

System runs smoothly and safely. Batteries are vapor free, and enclosed in weather proof housing. Whole system is maintenance free and runs in the background without you ever knowing you are off the grid.

### EASY INSTALLATION

System can usually be installed in one day and is hassle free. We take care of all utility requirements and paper work.

### LEADING EDGE TECHNOLOGY

We use only the latest technology in off grid and on grid connect battery solutions. Tier one German made solar panels and batteries combined with high quality high efficiency inverter systems.



- 8.2 kWh of usable battery storage at 50% depth of discharge.

Capable of delivering 3.5kW of continual

- power with the capability of delivering 4kW during surge conditions. Enough for most homes.
- Highly configurable. Capable of being completely off grid or grid connected. AC or DC coupled. With new or existing solar system
- Use in conjunction with Time of Use Metering for even further savings.

### About:

Off Grid Power Solutions is the newest addition to the Australian owned and operated Energy Wise Group, which has expanded to encompass all areas of renewable energy and sustainable cost effective living. Off Grid Power Solutions has experience in off grid installations going back 28 years, with Mr. Wilson (Senior) working on and designing remote area power systems (RAPS) for the communication giants Telecom Australia. Mr. Wilson (Junior) and family now own and operate all 5 enterprises as part of the Energy Wise Group, and have successfully installed remote off grid power systems though out Australia.

### General Information:

If you have an existing solar system, and the solar feed in rate has been removed or reduced, a battery storage solution can easily be fitted to your existing solar PV system. The energy you generate during the day will be stored for use during peak demand periods, and together with time of use metering you will save money 24hrs a day, and not just when the sun is shining which will significantly reduce the cost of energy to your home.

Grid connect battery storage solutions have only recently been made viable with new battery technologies and battery management systems giving extended life cycles by as much as 10years on your batteries.



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## GCP-S8.2-3.5 Series Off Grid Solar Power system specifications

### CONVENIENT OPERATION

Easily understand what your system is doing and what your battery state of charge is by connecting your system to your internet router and instantly be able to see historical data and control your system from your Android tablet or computer anywhere in the world. We take care of this setup for you so it is hassle free.

### TECHNICAL SUPPORT

Clean Energy Council accredited off grid design and installation technicians available to take your phone call for all inquiries.

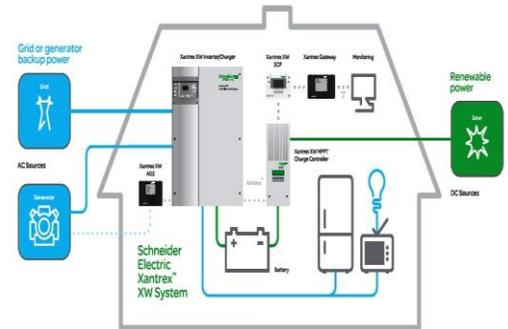
### ZERO DOWNTIME

Having Battery storage means that if the grid fails you will still have power available to you as long as the sun is shining.

### Warranties

Industry leading warranties on all components and installation.

Context SW 4024 230	
Continuous Output Power	3.5kVA
Surge Power	4kVA
Max Continuous Current	16 Amps
Peak Current	42 Amps
Output	230 VAC True Sine Wave Single Phase
Output Frequency	50 Hertz
Sell to the Grid	No
DC input Range	20 - 34VDC
Max Battery Current	250 Amps
Efficiency	92%
Charge control	2 & 3 Stage Charging
No Load Power Draw	40 watts
Battery Temperature Sensor	Yes
Fan Cooled	Temperature controlled



### General Information

System Model	GCP-S8.2-3.5
Module Type	German Hanover Solar -HS250P Plus- 250watts
Inverter	Context SW 4024 230
Battery Type	German BAE batteries 6PVV 420
Generation	8.2kWh @ 50% DOD C10

## Maximum Recommended Loads GCP-S8.2-3.5

Appliance	Qty	Power (watts)	Hours of Use	Energy (Wh)
Fridge / Freezer	1	300	4	1200
Kitchen Lights	1	36	5	180
Lounge Lights	4	20	5	400
Bedroom 1 Lights	1	36	4	144
Bedroom 2 Lights	1	36	4	144
ceiling fans	3	50	4	600
Master Bedroom Lights	2	36	4	288
Bathroom Lights	1	36	3	108
kettle	1	2000	0.2	400
LCD TV	1	200	4	800
TV -video/audio entertainment system	1	200	4	800
Computer	1	200	4	800
Microwave	1	1200	0.25	300
Hot plates and Oven	1	2500	0.75	1875

Allowable total daily energy requirement (kWh) 8.0

\*Above loads are a guide only, your actual loads may vary

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