

## *Remote Area Power Station*

### *Model GABC 7500*

The GABC7500 unit has a Selectronics inverter/charger that will produce 7.5KW or 32 Amps continuous to supply any AC load which requires a pure sine wave input.

The 1660Ah batteries will keep the supply running for 26 Hours at full load approx. if there is no input power (Night time load).

During the day the 9.1kw of solar panels on the roof of the container will produce power to supply the load and charge the batteries.

If in the event that the batteries become low due to excessive cloudy weather for long period of time or the load become higher than what the inverter is rated for, the auto generator starter will start the generator to supply the load and charge the batteries at the same time and then shut off automatically when the conditions become within operating limits to prolong the batteries life and to give a more reliable supply.

The unit is also fully transportable on a tilt tray due to the panels that are mounted flush to the container wall and the roof panels slide out to provide extra capacity and retract in for transport. Another feature of the GABC7500 is the storage space inside the container making it ideal for job site storage or an office.

Other sizes and configurations can be customised depending on location and load requirements. They can be designed by us to meet your remote power requirements.

#### **Battery Specifications**

Manufacturer – Sonneschien Energystore (made in Germany)

Model – 12ESPV1800

Voltage – 2 Volts

Battery Type – Sealed Gel

Ah Rating – 1660Ah @ C100 (8.3 Amps continuous for 100 Hours)

1340Ah @ C10 (65 Amps Continuous for 10 Hours)

Battery Autonomy – 3+ Days @ C100 Rating.

Battery life – 2600 Cycles @ 50% DOD C100

Usable KWh – 32.3KWh

REMOTE AREA POWER STATION  
MODEL GABC 7500

**Panel Specifications**

Manufacturer – Phono Premium

Rating – Tier 1

Fire Performance – Type C

Model – PS380M-24/TH

Capacity – 24 x 380 Watts Panels (9120 Watts Total)

Production Average – 55 KWH per day @ 6.4 Peak Sun Hours

Efficiency – 19.15%

Warranty – 25 Year Performance

**Inverter/ Charger**

Manufacturer – Selectronic SP Pro

Model – SMPC482-AU

DC Voltage – 48 Volts

Output Power – 7500 Watts Continuous

11250 Watts for 30 Minutes

18000 Watts for 5 Seconds

Peak Current – 42 Amps

Output Waveform – True Sine

Efficiency – 96%

Output Current on Charger – 156 Amps

Charging Stages – Bulk, Absorption and Float

Warranty – 5 Years

REMOTE AREA POWER STATION  
MODEL GABC 7500

**Charge Controller**

Manufacturer – ABB UNO

Model – SPMC482-AU

DC Voltage – 48 Volt

PV Array Max Voltage – 600 Volts

Max Charge Current – 20 Amps

Efficiency – 97%

Warranty – 5 Years

**Generator**

Manufacturer – Able

Model – GL9D1

Prime Power – 9KVA 240 Volts 37 Amps

Engine – OEM 3 Cylinder water Cooled.

RPM – 1500/Min

Noise Level – 65dBA @ 7 Meters

Chassis Enclosure – Silenced

Weather Resistant

Mine Site Ready – Yes

Fuel Tank Capacity – 80 Litres

Running Time – 36 Hours at prime load

Fuel Consumption – 2.2 Litres Per Hour

Alternator – 4 pole brushless Synchronous AVR

Warranty – 1 Year

REMOTE AREA POWER STATION  
MODEL GABC 7500

**Optional Extras**

Solar analytics for energy consumption monitoring

Security systems

Security lighting

Air conditioning

Pre lined insulated walls

Dividing walls

Long Span Shelving

Various colours with premium paints

Larger capacity banded fuel tank

Remote monitoring via SP Pro software

Lead Carbon Batteries

Thin film Panels

**For more information and pricing please contact**

Newcastle - Brendon Conn

0427 748 956

[Connyz84@outlook.com](mailto:Connyz84@outlook.com)

Or

Coonabarabran – Guy Andrews

0427 689 153

[guyandrewselect@bigpond.com](mailto:guyandrewselect@bigpond.com)