

SOLAR TRAILER

The answer to quick
energy and
communications
needs.



OGPS-SP-1

10.8KW

TO 100 W TO 10 KW CONTINUOUS

Mine Site Ready – Deployment Ready

SOLAR SYSTEM

No. of solar panel:	9
Angle:	66° (customizable)
Panel wattage:	300W
Panel Daily Average:	2,7KWh (expandable)
Material:	Monocrystal Silicon
Controller:	SMA- Fronius Schneider-Selectronics

BATTERY

Type:	Sealed Gel/Lithium maintenance free
No. of battery:	To design requirements
Capacity:	11.34 KWh (average)
Voltage:	DC 6- 24- 48V AC 240/415
Monitoring:	Online Solar and Battery consumption

OPTIONS

- Communication Racks (RU)
- Battery Racks
- 2v to 240V
- Auto Generator Start

PLATFORM DETAILS

Base:	Skid Mount or Raised
Room:	Twin or Single

MAST DETAILS

Type:	Cylinder - Lattice
Raised:	Hydrolic /Man/ Electric
Height:	12M to 50M
Rotation:	Optional
Wind rating:	120 Kph

Phone: **1800 862 288** Fax: **07 31478297**

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SOLAR PLATFORM

The answer to quick
stand by energy needs

FULLY SELF SUFFICIENT BATTERY STORAGE SYSTEM



The Solar platform (20Ft) will allow for up to 2.77Kw of solar panels angled at 66°, these solar panels are expected to produce enough energy to maintain the batteries and supply 200 watts continuous power.

The platform has been divided into 2 insulated rooms, one for communications and battery storage and the other the generator plant room with adjoining doors.

KEY FEATURES

Size: 20' - 40'
Solar panels: 2.7KW - 5.4KW
Rooms: Generator
Battery storage, and
communication
Battery: GEL - Lithium - Salt
Temperature: -40° C to 100° C

The battery design need to be able to operate in -40° while maintaining a good service life, battery design will allow for only 20% DOD to avoid freezing and recharging issues. Traditional GEL batteries were considered and found to still be the most cost effective and reliable solution, Lithium was reviewed but currently most manufacturers wont warranty or recommend lithium as a viable option.

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