## VXIII Oracle Series 560w Power Supply & Battery Charger

- Operable in Mains-Free Standby Mode
- Boost & Cyclic Charge Modes
- Configurable via RS232/485
- Temperature Compensated Charge
  Cycles

## Standards

- CE, UKCA & EMC Compliant
- EN62368 Compliant.

## Product Details

Built on Success:

The Oracle 560W PSU is designed for critical locations where you can't afford downtime.

Its fully configurable interface links to industry standard PC software and hardware, just set it up and walk away.

Using existing communications equipment the whole assembly, including auxiliary equipment and back-up batteries, can be remotely monitored giving you peace of mind and a source of valuable data on the continuity of your service.

The unit will run test procedures automatically or upon a manual request.

Easy Installation:

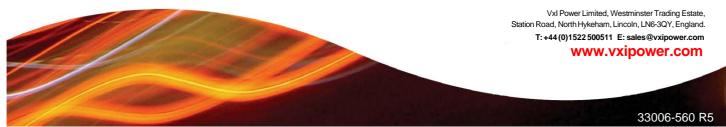
A small footprint and a low mass brings the advantages of flexible mounting options. The unit's built-in, intelligent cooling abilities enhance this further by enabling mounting in less than favorable locations. Connecting the PSU couldn't be simpler. A standard IEC cable feed from the mains, while inexpensive Phoenix and Klippon - BLC connectors provide for other equipment. Interface connections are made using the universal RS232 standard.

Other connections options may be made available upon request.

## Robust Design:

Efficient self-cooling coupled to 'Engineered' electronic and mechanical protection provides for a supremely robust system capable of consistent high-powered running at optimum efficiency, whilst still maintaining high levels of serviceability.

As with all VxI Power's products, custom specifications can be engineered upon request.





DC Output Voltages V01 Main O/P	28V max 22.8V min (Dependent on battery charge voltage) Battery voltage 1.3V max when running from standby battery.	EMC - Immunity EMC - Emissions	EN61000-6-2 EN61000-4-2 EN61000-4-3 EN61000-4-4 EN61000-4-5 EN61000-4-6 EN61000-6-3 EN55032 (Conducted / Radiated)
V02 Battery Charge O/P (Temperature Compensated)	27.4V+/- 0.2V at 20oC 5mA Float current. Temperature compensated float voltage	Safety	EN62368-1
V03 Auxiliary O/P	12V +/- 0.2V	Mean Time to Failure	Not less than 45,000 hours in specified environment
DC Output Current V01 V02	20A max when battery charge not required Up to 10A max (Software selectable)	Environmental Ambient Operating Temp	-10 to +50°C
V03	2A max continuous	Storage Temperature	-20 to +85°C
Line Regulation (Full load)	0.5% max all outputs	Humidity	5 - 95% non-condensing
Load Regulation	300mV max over the range 0 - 10A	Vibration	0.5g at 10-50 Hz on each axis
V02 V03 Output Ripple & Noise PSU load = 560w, nominal input 240V rms Ripple-Mains & Switching	N/A 150mV max over the range 0 - 2A 150mV Ripple 300mV pk-pk noise (0 - 30 MHz)	Earthing PSU Negative Earth Battery Positive Earth Battery Test	Negative earth Negative earth Unit can operate in a +ve earth environment but only one source must be earthed. Either the PSU or the Battery can be +ve earthed but never both simultaneously. Can be set to automatic or manual via RS232 port
		Test Limits	Configured via serial port. Dependent upon battery capacity
		Load at test	Fixed at 2.1A
Input Voltage Input Frequency Input Current Inrush Current (Hot/Cold start) Fusing PSU Fusing Battery	90 to 264V rms 45 to 66Hz 9A rms max at 90V 3.2A rms max at 240V <10A Peak at 240V rms 10A, 250V AC HRC Fuse 20A, 250V F HRC Fuse	Communication Baud Rate Data Bits Parity Stop bit Protocols	RS232/485 Data Port Available 9600 baud (internally set) 8 Odd 1 1. Terminal Communications Mode 2. MODBUS A full Data Port specification is available on request
Efficiency at 560W Output	>75% min at 110 - 264V Input (20 to 25oC ambient) 70% min at 90V	Connectors Mains Input System V01 Battery V02 Thermistor Bat Low / Mains Fail Serial	3 pin IEC Phoenix, PC4/2-ST-7,62 max Ø 4mm <sup>2</sup> Phoenix, PC4/2-ST-7,62 max Ø 4mm <sup>2</sup> Klippon BL3.5/2 max Ø 1.5 mm <sup>2</sup> Klippon BL3.5/6 max Ø 1.5 mm <sup>2</sup> 9 way Male D RS232
Model Number: 14653-000		Aux V03	9 way Male D RS232 Klippon BL5.08/2 max Ø 1.5 mm <sup>2</sup>

