

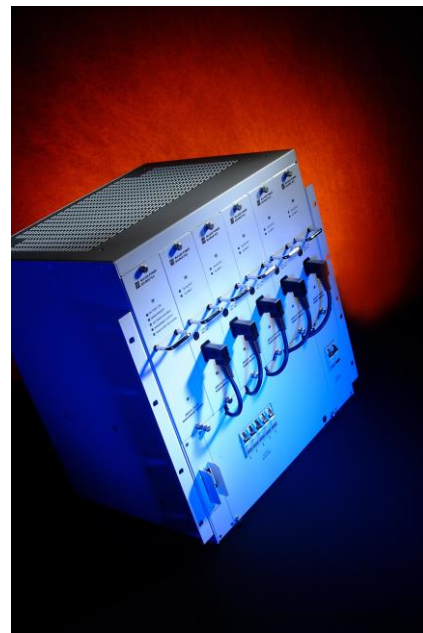


## Oracle Series 2400w Cascadable PSU with Battery Management

- Operable in Mains-Free Standby Mode
- Boost & Cyclic Charge Modes
- N+1 Redundancy
- Power Sharing & Hot Swapable
- Configurable via RS232/485
- 19" Rack Mountable

### Standards

- CE, UKCA & EMC Compliant
- EN62368 Compliant.



### Product Details

#### Engineered For Performance:

Setting the standard for mission-critical, high-powered output the Oracle Series Cascadable unit houses up to FIVE individually configurable 540W PSUs.

Modular design gives N+1 redundancy allowing on-line replacement of individual PSUs. Even the system management card is removable for minimum down times.

#### Configurable Output:

Each Cascadable PSU can be configured to match your needs using standard PC hardware and Microsoft Excel software.

The same interface can be used to simply monitor the equipment providing you with valuable data on the continuity of your service.

#### Easy Installation:

With three interchangeable heavy-duty mounting options the Cascadable PSU can find a home in almost any enclosure.

Built-in high capacity cooling ensures efficient and consistent operation in less than favourable locations.

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

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<b>DC Output Voltages</b> V01 System Supply Output  V02 Battery Charger Output	28V max 22.8V min (Dependent on battery charge voltage). Battery voltage -1V max when running from standby battery.  27.2V+/- 0.2V at 20oC 5mA Float current. Temperature compensated float voltage.
<b>DC Output Current</b> 20A per module, Split between V01 & V02 to the following limits: Rack Total V01 Rack Total V02	0 - 65A (requires 4 modules) 0 - 45A (requires 3 modules) (Default V02 setting = 10A)
<b>Line Regulation</b> 90 - 246V RMS . <b>Load Regulation</b> V01 V02  <b>Output Ripple &amp; Noise</b> <b>PSU load = 560w,</b> <b>nominal input 240V rms</b> Ripple-Mains & Switching	0.5% max all outputs.  300mV max over the range 0 - 10A. N/A.  150mV Ripple (0 - 500Khz). 300mV pk-pk noise (0 - 30 MHz)
<b>Input Specification</b> AC Voltage AC Frequency Input Current per Module  Inrush Current (Hot/Cold start)  Fusing PSU per module Isolation Efficiency at 560W Output	90 to 264V rms. 45 to 66Hz. 9A rms max at 90V. 3.2A rms max at 240V. Max inrush current ltd to > 15A peak @240V RMS. 18A peak @90V RMS 10A, 250V AC HRC Fuse. 65A Front Panel Mounted Isolator. >75% min at 110 - 264V Input (20 to 25oC ambient) 70% min at 90V
<b>DC Input 24V Lead Acid Battery</b> DC Current Protection Reverse Protection  Over Discharge Protection	20 - 30V Nominal input range. 65A Max. Dependent on system load. 80A DC. Circuit Breaker Integral protection against reversed polarity connections. Automatic battery disconnect below 20V
<b>Dimensions (Approximate)</b> Width Height Depth Weight Management Card Module PSU Module Cascadable Chassis Weight + 6 modules	435mm. + Close profile bracket = 570mm 490mm. 360mm. + Close profile bracket = 380mm  1.0 Kg 2.4 Kg 21.0 Kg 46.0 Kg

<b>EMC - Immunity</b>  <b>EMC - Emissions</b>  <b>Safety</b>	EN61000-6-2 EN61000-4-2 EN61000-4-3 EN61000-4-4 EN61000-4-5 EN61000-4-6 EN61000-6-3 EN55032 (Conducted / Radiated)  EN62368-1
<b>Environmental</b> Ambient Operating Temp Storage Temperature Humidity Ingress Protection	-10 to +50°C -20 to +85°C 5 - 95% non-condensing IP41
<b>Earthing</b> Negative Earth  <b>Battery Test</b>  <b>Test Limits</b>  <b>Load at test</b>	Earthed at either or, both the battery and the power supply.  Can be set to automatic or manual via RS232 / RS 485 port.  Start voltage, duration & max deviation. Configurable via RS 232 / RS 485.  Load at test Fixed at 6A
<b>Communication</b> 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
<b>Cable Specifications</b> Battery power cables Mains supply cables <b>240V</b> <b>110V</b>  Output Cables	80A rated, 10mm <sup>2</sup> minimum. 25A rated, 2.5mm <sup>2</sup> minimum. 50A rated, 6mm <sup>2</sup> minimum. 20A rated, 2.5mm <sup>2</sup> minimum. 65A rated, 10mm <sup>2</sup> minimum.
<b>Connectors</b> Mains Input  Earth V01 +ve  V01 -ve (30Volts) Thermistor Battery Sense Bat Low / Mains Fail RS 485 Serial RS232 Battery Switch Battery Input	63 Amp Screw down, circuit breaker. max Ø 16 mm <sup>2</sup> 6mm Stud. 20 Amp Screw down, circuit breaker. max Ø 16 mm <sup>2</sup> . Screw down terminal block. max Ø 16 mm <sup>2</sup> . Klippon BL5.08/2 max Ø 1.5 mm <sup>2</sup> . Klippon BL5.08/3 max Ø 1.5 mm <sup>2</sup> . Klippon BL3.5/6 max Ø 1.5 mm <sup>2</sup> . Klippon BL3.5/3 max Ø 1.5 mm <sup>2</sup> . 9 way Male D. 80 Amp. Weidmüller, din rail mounted connector. max Ø 33 mm <sup>2</sup>

Model Number: 14665-000

