



# Oracle Series 130w Battery Backed Power Supply

- AC - DC Switch Mode PSU.
- 115V / 230V Link Selectable.
- 12 or 24v Models.
- 200W Peak Capability

- Din Rail or Panel Mounting.
- Volt free relays/signals.
- Battery and load protection

#### Options

- Regulated main output
- Auxillary outputs
- Dual path fusing, Choice of connectors
- Battery test, SPI port for local connection

#### Standards

- CE & EMC Compliant, EN60950 Compliant.



## General Features.

**The Oracle II-130W offers a higher power output option to the 75watt unit and shares many features of its siblings.**

Designed specifically for applications within the Fire Protection, Telemetry and Control industries, the 130W unit represents a high level of functionality tailored to the requirements of these users.

As with the 75W, features such as such as auxillary outputs, configurable I/O and an SPI port are available.

Signal outputs and volt free relays are provided as standard. Other configurations are available - consult the factory for details.

Our standard protection circuitry safeguards your equipment, and batteries during normal and fault conditions. Temperature compensated charging and deep discharge protection allow the maximum life to be obtained from your batteries.

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

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	12V UNIT	24V UNIT
<b>DC Output Voltages</b> V01 Main O/P (standard)	14.3V +/- 50mV <small>Tracks battery voltage on standby</small>	28.6V +/- 100mV <small>Tracks battery voltage on standby</small>
V02 Battery Charge O/P @ 20°C	13.7V +/- 100mV <small>Temperature compensated</small>	27.4V +/- 200mV <small>Temperature compensated</small>
<b>DC Output Current</b> V01 V02 <small>Max output not to exceed 130W</small>	9A 3A	5A 2A
<b>Line Regulation</b> (full load) <b>Load regulation</b> V01 (over range 10-100%) V02 (over range 10-100%)	<0.5%  50mV Max 1.5V Typical	<0.5%  50mV Max 1.5V Typical
<b>Output Ripple and Noise</b> PSU loaded to 60W @ 230Vrms over a bandwidth of 0 - 30MHz Noise/Ripple (peak-peak all outputs)	<100mV	<100mV
<b>Standby Operation</b>	10A Nom.	5A Nom.
<b>Overload Protection</b> V01 (Primary power limit) V02 (Constant current limit)	120-150% Max Up to 3A (Factory Set)	120%-150% Max Up to 2A (Factory Set)
<b>Battery Input</b> <b>Battery Fusing</b>	Inherent reverse protection NON USER REPLACEABLE	Inherent reverse protection NON USER REPLACEABLE
<b>Over voltage Protection</b> V01 Voltages exceeding V02 Voltages exceeding	16V 16V	32V 32V
<b>Volt free relays/signals/LEDs</b> IO1 VFR - BATTERY LOW IO2 VFR - MAIN SUPPLY FAULT IO3 TTL - UNASSIGNED, CONSULT FACTORY IO4 TTL - UNASSIGNED, CONSULT FACTORY LED1 MAIN SUPPLY FAULT LED2 STANDBY SUPPLY FAULT LED3 BATTERY LOW LED4 CHARGER FAULT		

Other configurations are available-consult factory for details

<b>EMC</b>	EN61000-6-2: 2005 Immunity EN61000-6-3: 2001 Emissions EN61000-6-4: 2001 Emissions
<b>Environmental</b> <b>Ambient Operating Temp</b> <b>Storage Temperature</b>	-25°C to +55°C -30°C to +85°C
<b>Connectors</b> <b>Input/Output/Signal</b> <b>Thermistor</b>	<b>Screw Terminal or Weidmuller Kilppon</b> <b>0.1" Molex 2 way</b>
<b>Input Voltage</b> <b>Input Frequency</b> <b>Input Current</b>	90-132/180-264V AC rms link selectable 47 - 63Hz 2.5 A rms typ @ 110V 1.25 A rms typ @ 230V T4A, 250V AC HRC
<b>Input Fusing</b> <b>PCB Mounted fuse</b> <b>Inrush Current</b> <b>Efficiency</b>	UL/CSA Approved <30A peak, cold start 20°C ambient - 265V AC 12V UNIT >75% under all conditions 24V UNIT >82% under all conditions

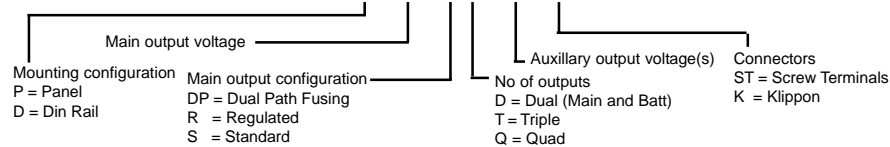
Options	Regulated main output	Auxillary output	Dual Path fusing (split main output)
<b>Spec</b>	<b>12 or 24V</b>	<b>5V, 12-15V, 24V</b>	<b>2 x pcb 4A*fuses</b>
<b>Output current</b>	2.5A/1.5A**	5V/3A, 12-15V 3.5A 24V 1.25A	
<b>Line regulation (full load)</b>	<0.5%	<0.5%	
<b>Load regulation (10-100%)</b>	<0.5%	<0.5%	
<b>Overcurrent protection</b>	120% nom	120% nom	
<b>Overvoltage protection</b>	120% nom	120% nom	
<b>Ripple/noise (Full load, pk-pk)</b>	<1%	<1%	

\* consult factory for 12V dual path fusing applications

\*\*total output power is reduced by 10% when regulated main output is used

### Ordering information:

## ORACLE III 130P-28ST12ST



### Dimensions

