zenitel

DATASHEET

2990101240

XP Power Supply, 48Vdc 240W



Description

- Up to 90% Efficiency
- Wide Adjustment Range
- Parallel Function
- DC Standby Versions
- Full Power from -40 °C to +60 °C
- Connector Options

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Specifications

INPUT

Input Voltage	90-132/180-264 VAC auto select 210-375 VDC
Input Frequency	47-63 Hz
Input Current	115 VAC 4.00 A / 230 VAC 1.55 A
Inrush Current	30/60 A at 115/230 VAC
Power Factor	0.7 typical
Earth Leakage Current	0.8 mA max
Input Protection	T6.3A, 250 VAC

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OUTPUT

Output Voltage	48 V
Output Voltage Trim	47.0-56.0 V
Initial Set Accuracy	±1%
Minimum Load	No minimum load required
Start Up Delay	<1 s (may increase at low temperature extremes)
Start Up Rise Time	<150 ms
Hold Up Time	25/30 ms at 115/230 VAC
Line Regulation	±0.5% max
Load Regulation	±1% (±5% for units in parallel)
Transient Response	4% max deviation recovering to within 1% in 2 ms for a 50% load change
Ripple & Noise	100 mV pk-pk, 20 MHz bandwidth (may increase at low temperature extremes)
Overvoltage Protection	Output clamps at 125-140% Vnom auto recovery
Overload Protection	105-145% constant current, auto recovery
Temp. Coefficient	±0.03%/°C

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GENERAL

Efficiency	90%
Isolation	3000 VAC Input to Output. 1500 VAC Input to Ground. 500 VAC Output to Ground
Switching Frequency	40kHz
Signals	DC ON indicator Green LED. DC LOW indicator Red LED. DC OK: 24 V and standby models
MTBF	430 kHrs typical Bellcore, Issue 6 at +40 °C, GB
DIN Rail	Compatible with TS35/7.5 or TS35/15

ENVIRONMENTAL

Operating Temperature	DNR240: -40 °C to +70 °C, derate linearly from +60 °C at 2.5%/°C, start up at -35 °C
Cooling	Convection-cooled with 25mm free space all sides
Operating Humidity	20-95% RH, non-condensing
Storage Temperature	-40 °C to +85 °C
Shock	15 g, 11 ms, 3 axes, 6 faces, 3 shocks per face
Vibration	2 g, 10 Hz to 500 Hz, along X, Y & Z axis, 60 min/axis, mounted on rail

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EMC & SAFETY

Emissions	EN55022 class B conducted & radiated
Harmonic Currents	EN61000-3-2 class A
Voltage Flicker	EN61000-3-3
ESD Immunity	EN61000-4-2 level 4 Perf Criteria A
Radiated Immunity	EN61000-4-3 level 3 Perf Criteria A
EFT/Burst	EN61000-4-4 level 4 Perf Criteria A
Surge	EN61000-4-5 installation class 3 Perf Criteria A
Conducted Immunity	EN61000-4-6 level 3 Perf Criteria A
Magnetic Field	EN61000-4-8 level 4 Perf Criteria A
Dips & Interruptions	EN61000-4-11, 30% 10 ms, 60% 100 ms, 100% 5000 ms Perf Criteria A, A, B
Safety Approvals	EN60950-1 UL508 UL60950-1, cUL60950-1 Pollution Degree 2
	CE Mark, UL60950-1 Overvoltage Category II, UL508 Overvoltage Category III
	ANSI/ISA 12.12.01. (Class 1, Division 2, Groups A,B,C and D)

Used With

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FCDC1

Flowire Ethernet Converter - DC Voltage This product has been replaced by 1008080310 FCDC3 Flowire Ethernet Converter

Item Number: 1008080110

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