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Spec Sheet, Rev. A01, Date: 4/19/10

Ordering Information: AEGIS P/N ST8091A

ST8091A

6U x 160mm x 8hp (1.6") CompactPCI® Compatible

115VAC to 4 output 564W Output Power Card

(25°C, nominal line, 75% load unless otherwise specified)

<u>AC Input Voltage:</u>	105 to 132VAC, 47 to 63Hz
<u>AC Input Current:</u>	11A Max @ 105VAC
<u>Input Power Factor:</u>	0.60 Min
<u>Input Power:</u>	750W Max.
<u>Output Power:</u>	564W Max. Total combined on all outputs.
<u>Efficiency:</u>	69% Min. @ 115VAC
<u>Startup Time:</u>	1 sec. Max.
<u>Inrush Current:</u>	40A Max. @ 115VAC
<u>Holdup Time:</u>	10msec Min. from input power failure
<u>DC PWR OK:</u>	FAL# Open Collector for DC PWR OK Pulled Low for DC PWR Fail
<u>Output Voltages:</u>	+3.3VDC, 60A, 198W, +5VDC, 60A, 300W +12VDC, 3A, 36W, -12VDC, 3A, 36W
<u>Remote Sense:</u>	0.25V Compensation (+3.3V, +5V, +12V)
<u>Redundancy:</u>	All Outputs Diode Isolated Current Share (+3.3V, +5V, +12V)
<u>Voltage Setpoint:</u>	+/-0.5% (+5V), +/-1.3% (+3.3V), +/-4% (+/-12V)
<u>Temperature Regulation:</u>	+/-0.02%/deg C
<u>Line/Load Regulation:</u>	+/-0.5% Max. 105-132VAC, 10-100% Load (+3.3V, +5V) +/- 1% Max. 105-132VAC, 0-100% Load
<u>Line/Load Regulation:</u>	+/-0.5% Max. 105-132VAC, 10-100% Load (+/-12V) +/- 5% Max. 105-132VAC, 0-100% Load
<u>Output Ripple:</u>	2% Max. pk-pk (20MHz BW)
<u>Overvoltage Protection:</u>	110-135%, Recycle Input Power to Restart
<u>Current Limit:</u>	+3.3V and +5V 105-135% Automatic Restart +12V and -12V 105-135% Automatic Restart
<u>Inhibit:</u>	Switch (Faceplate) or INH# (Connector)
<u>Indicator LEDs (Green):</u>	AC OK, +3.3V OK, +5V OK, +12V OK, -12V OK (Faceplate)
<u>EMC:</u>	FCC Class A
<u>Safety:</u>	UL 1950 as installed in Chassis
<u>Temperature:</u>	-20 to +40°C Operating (Forced Air Cooled @ 500lfm) -40 to +100°C Non-operating
<u>Size:</u>	6U x 8hp(1.6") x 160mm.
<u>Weight:</u>	tbd
<u>Connector:</u>	Positronic PCI38M400A1 (Mates to Positronic PCI38F300A1)
<u>Shock:</u>	15G 11msec half sine wave pulse, three shocks each axis.
<u>Vibration:</u>	0.04G ² /Hz 80-350 Hz Random Vibration.
<u>Humidity:</u>	0-95% non-condensing

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