CPCI-350Q-P-47

CompactPCI Power Supply
400 Watts (90-264Vac Input)

90 Amps Combined Output Current on +5V & +3.3V

KEY FEATURES:

- 400 Watts in 6U x 8HP (two slots) x 160mm
- Wide Range AC Input (90-264Vac)
- Standard CompactPCI Voltages; 5V, 3.3V, ±12V
  +5/50A, +3.3/40A, +12V/12A, -12V/4A
- Power Factor Corrected
- N+1 Redundant with Internal Oring Diodes
- Zero Wire Current Sharing on +5V, +3.3V and +12V Outputs
- IEEE 1101.10 Compliant Front Panel with EMI Gasket, Guide Pins, Injector/ Extractor Handles and Keying
- CompactPCI® Specification PICMG 2.11 R1.0
- Ruggedized Mechanical Design
- One Year Warranty
- Greater than 500,000 Hrs MTBF in Redundancy
- Proudly Made in U.S.A.

Switching Power, Inc.
Regulated Power

3601 Veterans Highway
Ronkonkoma, New York 11779
Tel: 631-981-7231 Fax: 631-981-7266

visit us at:
switchpwr.com

AS9100 ISO 9001 REGISTERED

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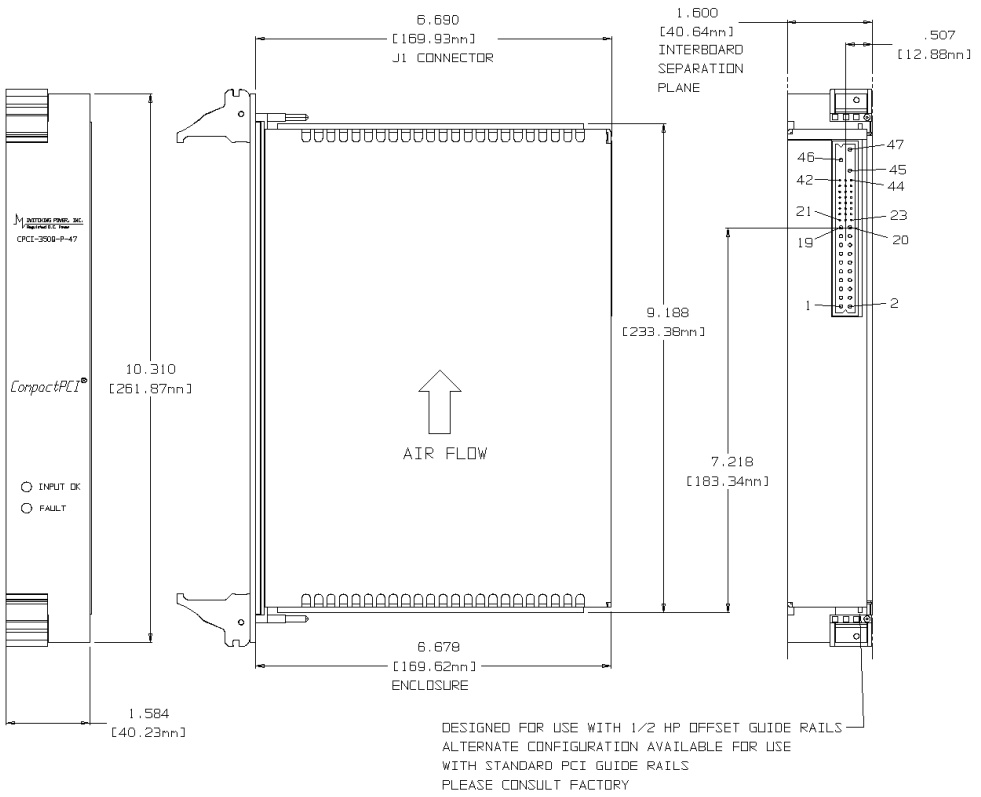
POSITRONIC P/N PCIH47M400A1			
PIN #	SIGNAL	PIN #	SIGNAL
1	+5V	25	N/C
2	+5V	26	N/C
3	+5V	27	ENABLE
4	+5V	28	N/C
5	RTN	29	N/C
6	RTN	30	+5V REMOTE SENSE
7	RTN	31	N/C
8	RTN	32	N/C
9	RTN	33	+3.3V REMOTE SENSE
10	RTN	34	SENSE RTN
11	RTN	35	N/C
12	RTN	36	+12V REMOTE SENSE
13	+3.3V	37	N/C
14	+3.3V	38	DEG#
15	+3.3V	39	INHIBIT
16	+3.3V	40	N/C
17	+3.3V	41	N/C
18	+3.3V	42	FAIL
19	RTN	43	N/C
20	+12V	44	N/C
21	-12V	45	CHASSIS GND
22	RTN	46	AC N
23	N/C	47	AC L
24	-12 RTN		



Nominal Input Voltage Frequency	115-240 Vac, 6A max. 47-63 Hz, 400Hz available.
Operational Input Voltage Range	90-264 Vac. Power Factor 0.99 Typical at Full Load. Meets EN 61000-3-2.
Inrush Current	Less than 4 msec. 30 amperes @ 115 Vac or 60 amperes @ 264 Vac.
Brownout Protection:	Holds Regulation to 85 Vac.
Fusing	10 Ampere, 250 Vac, Internal ceramic body fuse.
Hold up time	20msec minimum after loss of AC Input at full load and any input.
Efficiency	70% typical.
Turn on time	1 sec max. from power up. All output voltages come up within 10msec of each other.
Line and Load Regulation	±2% over AC input range and 0 to 100% load change.
Minimum Load	4% on +5V output to provide full load regulation on secondary outputs (V2 - V4).
Ripple & Noise	Through 20MHz 1% max. or 100mv whichever is greater for all outputs, peak to peak, with coaxial probe and 0.1uF/100uF capacitors at the connector.
Transient Response	Output maximum excursion of ± 5% for 50% load step. Recovery less than 500 µsec.
Overshoot/Undershoot	No turn-on or turn-off overshoot.
Output Isolation	Isolated from chassis ground, 50Vdc.
Input/Output Isolation	2200 Vdc from input to both chassis/outputs. SELV construction.
Reverse Voltage	Protected against reverse voltage to supply current rating.
Overvoltage Protection	Shutdown at 130% of nominal Vout (V1, V2) V3/V4 failsafe design. Recycle input power to reset.
Overtemperature Protection	Unit shuts down if overheated. Recycle AC to reset.
Leakage Current	1.0mA max at 240Vac.

Current Limiting	All outputs short circuit protected with foldback protection. Automatic recovery upon removal of the short.
Paralleling	Two or more supplies can be operated in parallel and will share 5V/3.3V/12V current to within ±10% of each other.
Redundant	Full power N+1 redundant with integral Oring Diodes.
Remote Sense	Compensates for up to 0.5V total distribution voltage drop on the +5V, +3.3V and +12V outputs.
INH#	Open to Run, Contact closure to return, turns off all outputs.
DEG#	Normal logic '1' TTL signal which goes low 10°C before over temperature shutdown.
FAIL# Signal	Normal logic '1' TTL signal which goes low whenever any output fails, an overtemperature condition, an over voltage shut down, or an AC input failure (5msec warning before outputs go out of regulation).
Indicators	Green LED indicating Input OK, Red LED indicating a power supply fault.
Cooling	400 Lfpm forced air required through the power supply.
Operating Temperature	-20°C to 50°C operating temperature with specified air flow.
Stability	All outputs 0.1% for 8 hrs. after 30 minute warm-up.
Humidity	Up to 95% non-condensing.
Storage Temperature	-40°C to 85°C.
Connector	CPCI Standard 47 pin Connector (Positronics Part No.: PCIH47M400A1).
Size	6U x 8HP x 160mm
Weight:	4 lbs.
EMC	Meets EN55022 Level A / FCC Class A conducted.
Safety	UL 60950, CSA C22.2 No. 60950 & EN 60950.
Common Options	Conformal coating (Acrylic or Paylene), ruggedization, in- creased energy storage & special output configurations. Consult factory.