

CPCI-350Q-P-38

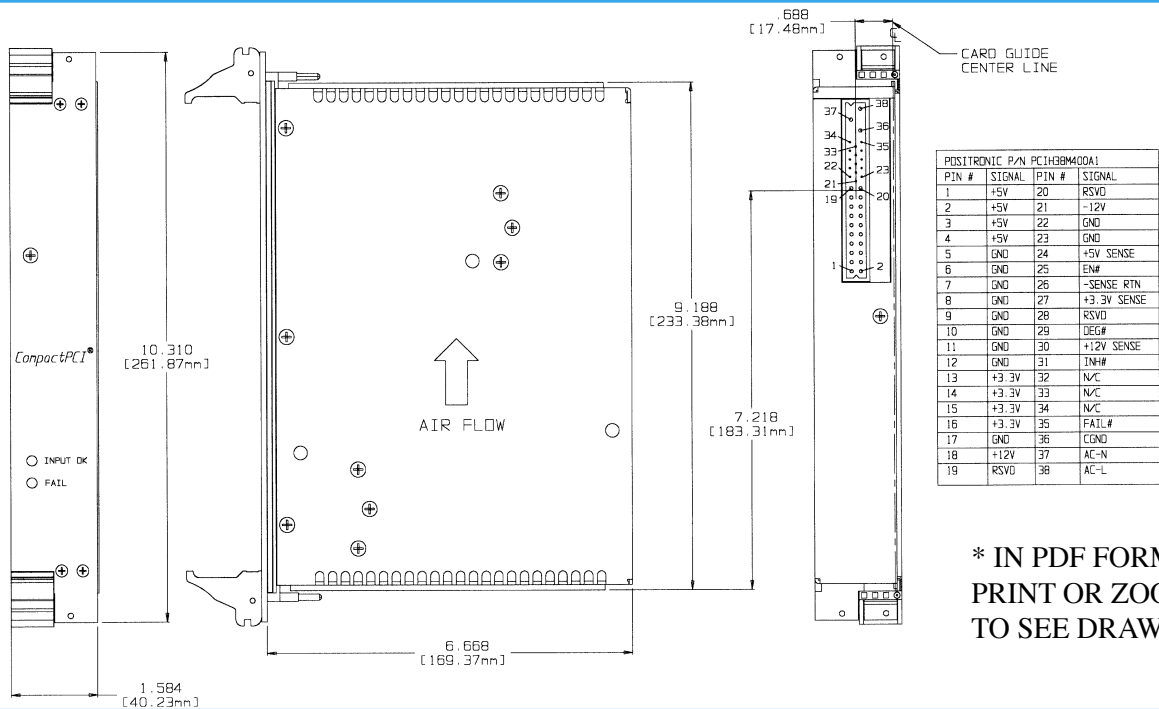
400 WATTS - 90Amps Combined Output Current on +5V & +3.3V



FEATURES:

- 400 Watts in 6U x 8HP (two slots) x 160mm
- Wide Range AC Input
- Standard PCI Voltages 5V, 3.3V, $\pm 12V$
+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
- PICMG CompactPCI® Existing Practice Compliant "APPENDIX B"
- Ruggedized Mechanical Design
- Two Year Warranty
- Greater than 500,000 Hrs MTBF in Redundancy

CPCI-350Q-P-38



*** IN PDF FORMAT,
PRINT OR ZOOM
TO SEE DRAWING**

Nominal Input Voltage	115-240 VAC, 6A max.	Current Limiting	All outputs short circuit protected with foldback protection. Automatic recovery upon removal of the short.
Frequency	47-63 Hz , 400Hz. available.	Paralleling	Two or more supplies can be operated in parallel and will share 5V/3.3V/12V current to within 10% of each other.
Operational Input Voltage Range	90-264 VAC Power Factor 0.99 Typical at Full Load. Meets EN 61000-3-2.	Redundant	Full power N+1 redundant with integral Oring Diodes.
Inrush Current	Less than 4 msec. 30 amperes @ 115 VAC or 60 amperes @ 264 VAC.	Remote Sense	Compensates for up to 0.5V total distribution voltage drop on the +5V, +3.3V and +12V outputs.
Brownout Protection:	Holds Regulation to 85 Vac.	INH#	Open to Run, Contact closure to return , turns off all outputs.
Fusing	10 Ampere, 250 VAC, Internal ceramic body fuse.	DEG#	Normal logic '1' TTL signal which goes low 10°C before over temperature shutdown.
Hold up time	20msec minimum after loss of AC Input at full load and any input	FAIL# Signal	Normal logic '1' TTL signal which goes low whenever any of the four outputs fail, an overtemperature condition, an over voltage shut down, or an AC input failure (5msec warning before outputs go out of regulation).
Efficiency	70% typical	Indicators	Green LED indicating Input OK, Red LED indicating a power supply fault.
Turn on time	1 sec max. from power up. All output voltages come up within 10msec of each other.	Cooling	400 Lfpm forced air required through power supply.
Line and Load Regulation	±2% over AC input range and 0 to 100% load change.	Operating Temperature	-20°C to 50°C operating temperature with specified air flow.
Minimum Load	4% on +5V to provide full load regulation on V2 - V4 outputs.	Stability	All outputs 0.1% for 8 hrs. after 30 minute warm-up.
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.	Humidity	Up to 95% non-condensing.
Transient Response	Output maximum excursion of ± 5% for 50% load step. Recovery less than 500 usec.	Storage Temperature	-40°C to 85°C.
Overshoot/Undershoot	No turn-on or turn-off overshoot.	Connector	Positronics Part No. PCIH38M400A1
Output Isolation	Isolated from chassis ground, 50Vdc.	Size	6U x 8HP x 160mm Weight: 4 lbs.
Input/Output Isolation	2200 VDC from input to both chassis/outputs. SELV construction.	EMC	Meets EN55022 Level A / FCC Class A conducted.
Reverse Voltage	Protected against reverse voltage to supply current rating.	Safety	UL 1950, CSA C22.2 No. 950, EN60950.
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.		

REV: F