

CPCI-600Q-P-47

600 Watts (180-264Vac)

500 Watts (90-264Vac)

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

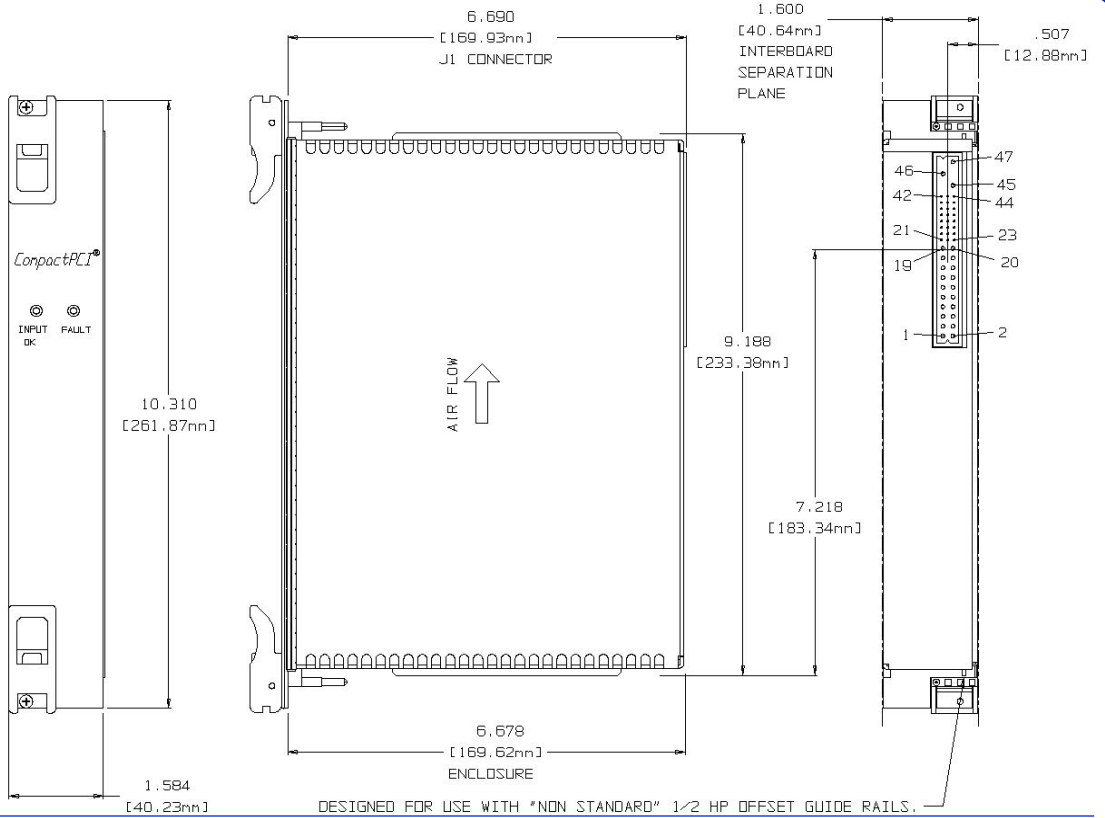


KEY FEATURES:

- 600 Watts in 6U x 8HP (two slots) x 160mm
- Wide Range AC Input
- Standard PCI Voltages 5V, 3.3V, $\pm 12V$
+5/50A, +3.3/65A, +12V/12A, -12V/3A (4A Consult Factory)
- 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.

CPCI-600Q-P-47

PTN #	SIGNAL
1	+5V
2	+5V
3	+5V
4	+5V
5	RTN
6	RTN
7	RTN
8	RTN
9	RTN
10	RTN
11	RTN
12	RTN
13	+3.3V
14	+3.3V
15	+3.3V
16	+3.3V
17	+3.3V
18	+3.3V
19	RTN
20	+12V
21	-12V
22	RTN
23	N/C
24	-12V RTN
25	GA0
26	N/C
27	ENABLE
28	GA1
29	N/C
30	+5V REMOTE SENSE
31	GA2
32	N/C
33	+3.3V REMOTE SENSE
34	SENSE RTN
35	N/C
36	+12V REMOTE SENSE
37	IPMB SELK
38	DEG#
39	INHIBIT
40	IPMB_SDA
41	N/C
42	FAIL
43	IPMB_PWR
44	N/C
45	CHASSIS GND
46	AC-N
47	AC-L



Nominal Input Voltage	115/230 VAC, 7/4A max.
Frequency	47-63 Hz, 400Hz. available.
Operational Input Voltage Range	90-132 VAC, 500 Watts Output 180-264 VAC, 600 Watts output Power Factor 0.99 Typical at Full Load. Meets EN 61000-3-2.
Inrush Current	Less than 4 msec. 40 amperes @ 115 VAC or 80 amperes @ 264 VAC.
Brownout Protection:	Holds Regulation to 85 Vac.
Fusing	16 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.
Line and Load Regulation	±2% over AC input range and 0 to 100% load change.
Minimum Load	1A on +5V. 1A on +3.3V for full load -12V.
Ripple & Noise	Through 20MHz 1% max. or 100mv whichever is greater for all outputs, peak to peak, with coaxial probe and 0.1uF/10uF capacitors at the connector.
Transient Response	Output maximum excursion of ± 5% for 25% load step. Recovery less than 500 usec.
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	V1-V3 outputs short circuit protected with shutdown protection. V4 foldback protection. AC input recycle after removal of short for recovery (V1-V3).
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 at least 1 second 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 (4msec 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 to 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
Size	6U x 8HP x 160mm Weight: 4 lbs.
EMC	Meets EN55022 Level A / FCC Class A conducted.
Safety	Designed to meet: UL 60950, CSA C22.2 No. 60950, & EN60950.
Common Options	Conformal coating (Acrylic or Paylene), ruggedization, in- creased energy storage & special output configurations. Consult factory.