

CPCI-600Q-P-47

600 Watts (180-264Vac)

500 Watts (90-132Vac)

IPMI Capability

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

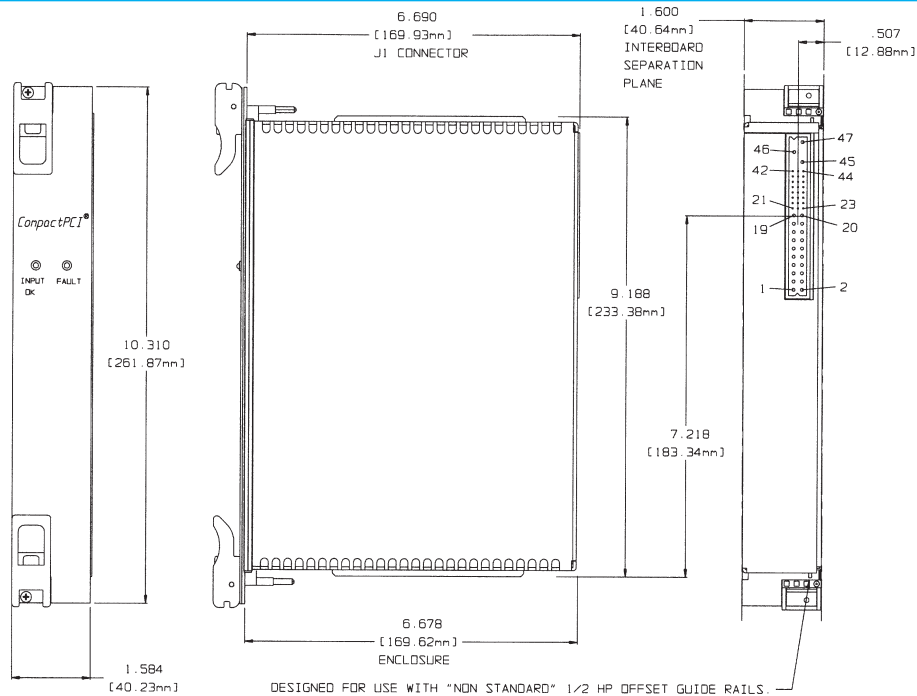


FEATURES:

- 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
- Two Year Warranty
- Greater than 500,000 Hrs MTBF in Redundancy

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PIN #	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	-12 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 SCLK
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 Frequency	115/230 VAC, 7/4A max. 47-63 Hz , 400Hz. available.	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).
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.	Paralleling	Two or more supplies can be operated in parallel and will share 5V/3.3V/12V current to within ±10% of each other.
Inrush Current	Less than 4 msec. 40 amperes @ 115 VAC or 80 amperes @ 264 VAC.	Redundant	Full power N+1 redundant with integral Oring Diodes.
Brownout Protection:	Holds Regulation to 85 Vac.	Remote Sense	Compensates for up to 0.5V total distribution voltage drop on the +5V, +3.3V and +12V outputs.
Fusing	16 Ampere, 250 VAC, Internal ceramic body fuse.	INH#	Open to Run, Contact closure to return , turns off all outputs.
Hold up time	20msec minimum after loss of AC Input at full load and any input	DEG#	Normal logic '1' TTL signal which goes low at least 1 second before over temperature shutdown.
Efficiency	70% typical	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).
Turn on time	1 sec max. from power up.	Indicators	Green LED indicating Input OK, Red LED indicating a power supply fault.
Line and Load Regulation	±2% over AC input range and 0 to 100% load change.	Cooling	400 Lfpm forced air required to the power supply.
Minimum Load	1A on +5V. 1A on +3.3V for full load -12V.	Operating Temperature	-20°C to 50°C operating temperature with specified air flow.
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.	Stability	All outputs 0.1% for 8 hrs. after 30 minute warm-up.
Transient Response	Output maximum excursion of ± 5% for 25% load step. Recovery less than 500 µsec.	Humidity	Up to 95% non-condensing.
Overshoot/Undershoot	No turn-on or turn-off overshoot.	Storage Temperature	-40°C to 85°C.
Output Isolation	Isolated from chassis ground, 50Vdc.	Connector Size	CPCI Standard 47 pin Connector 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 60950, CSA C22.2 No. 60950, 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.		