



ETA-USA

HIGH QUALITY SWITCHING POWER SUPPLIES

AC/DC & DC/DC COMPACT PCI

180 Watt – 3U

Power Supplies

PCI-3U180

3U PCI SERIES



Input

Input Voltage Range:	90-264 Vac
Input Current:	<3.2A max.
Frequency:	47-63Hz
Phase:	Single
Inrush Current:	<20A @ 120Vac
POWER FACTOR:	0.99

Features

1. Hot-swap
2. N+1 Redundant
3. Remote Sense on Main Output (+5V and +3.3V)
4. Efficiency 73%
5. Build-in EMI Protection
6. EMI Meets EN55022 / FCC Class A
7. Over voltage Protection
8. Short Circuit Protection on all Outputs
9. Over Temperature Output
10. Compliant with PICMG 2.11 (47-pin)
11. Status LEDs Indicate Power OK and Fault
12. Current Sharing on Main Output (+5V and +3.3V)
13. Worldwide Safety Approval Including UL, CSA, CE Marking

Options

N/A

Output Characteristic		PCI-3U180			
	Unit	V1*	V2*	V3	V4
Output Voltage	Vdc	+3.3	+5	+12	-12
Output Current	A	25	25	3	1
Voltage Error	%	±1%			
Ripple Noise (max)	mVpp	50 mV or 1 % whichever is greater			
Current Sharing	%	±5%			
Hold-up Time	mS	16			
Rise Time		< 200 ms			
Regulation					
a. Line Regulation	%	± 0.3%			
b. Load Regulation	%	± 1% @ +5V/3.3V, ±3% @ +12V / -12V			
c. Temperature coefficient	°C	0.05 % / °C			

Efficiency	%	74%
Power Factor		0.99

* Combined load on V1 + V2 not to exceed 27A



ETA USA

16170 Vineyard Blvd. Suite 180, Morgan Hill, CA 95037

Phone: 1-800-ETA-POWER, (408) 778-2793 Fax: (408) 779-2753

Visit us at: www.eta-usa.com

email at: sales@eta-usa.com



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HIGH QUALITY SWITCHING POWER SUPPLIES

Environmental Specification

Operating Temperature	0 C~70 C with derating above 40 C and 15 CFM forced air. (100%: 40 C, 50%: 70 C)
Storage Temperature	-10 ~ +85 C
Humidity	< 95 % @ 40 C
Altitude	6,400 m
MTBF	100,000 hrs
MTTR	5 Minutes (based on module replacement)

Function/Protection

Input Protection	Fuse, Under voltage protection, Surge
Output Protection	Overload and short circuit/ Over temperature / Over voltage protection
Safety	CUL, EN 60950 / UL 1950
CE	FCC Class A radiated and conducted, EMS: IEC 1000-4

Signals, Indicators, Controls and Connector

Indicator	Green LED indicating INPUT O.K. Red LED indicating a power supply FAULT
Output / Input Connector	47 pins: Positronic PCI47M400A1 or PCIH47M400A1

Mechanical

Weight	0.85
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