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Data Sheet

August 15, 2026

JASPER ELECTRONICS

Jasper Electronics CPCI354-1022-47 350 Watt cPCI Power Supply

The Jasper Electronics CPCI354-1022-47 is a 350-watt cPCI power supply designed for demanding industrial and embedded applications. It provides reliable and efficient power conversion, ensuring stable operation for critical systems. With its compact cPCI form factor, it offers easy integration into existing CompactPCI backplanes.



MODEL

**Jasper Electronics
CPCI354-1022-47**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

CPCI354-1022-47

LISTING

<https://aumictechlabs.com/products/cpci354-1022-47-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Jasper Electronics CPCI354-1022-47 is a 350 Watt CompactPCI power supply engineered for industrial and embedded systems requiring continuous, reliable operation. Housed in a 6U × 8HP form factor, it integrates directly into standard CompactPCI backplanes via a 47-pin PICMG connector. The unit delivers regulated outputs across four standard PCI rails - 5.0V at 40.0A, 3.3V at 40.0A, +12.0V at 9.0A, and -12.0V at 1.0A - with ripple and noise controlled to 50 mV peak-to-peak or 1% nominal maximum from DC to 20 MHz. Technical Specifications Input AC Input: 90–264 VAC, 47–63 Hz, 7.0A max, single-phase DC Input: 36–72 VDC (48V nominal) at 16.0A max, or 20–28 VDC (24V nominal) at 20.0A max Inrush Current: 15A peak at AC 115V; 30A peak at AC 230V; 15A peak at DC 24V or 48V (thermistor soft start) EMI/Transient: MOV protection; complies

with IFCC Level A, EN 55022 Level A, and IEEE C62.41 3 kV differential and common mode AC Power Factor: >0.99 typical at 115V full load Fusing: Non-user serviceable internal line fuse - 10.0A at 250VAC (AC); 20.0A at 125VDC (48V); 25.0A at 125VDC (24V) Output Total Power: 350 Watts across all rails Voltage Outputs: 5.0V, 3.3V, +12.0V, -12.0V Maximum Currents: 40.0A (5.0V and 3.3V), 9.0A (+12.0V), 1.0A (-12.0V) Ripple and Noise: 50 mV peak-to-peak or 1% nominal maximum, DC to 20 MHz Temperature Stability: $\leq \pm 0.02\%/^{\circ}\text{C}$ (0-50°C after 20-minute warm-up) Dynamic Response: 15 msec minimum at low-line, full-load conditions Key Features Hot-swappable and N+1 redundant operation with internal OR-ing diodes Single-wire current sharing on 3.3V, 5.0V, and +12.0V rails for parallel configurations Remote inhibit/enable capability No minimum loading requirement for single-unit applications Typical Applications Critical infrastructure, telecommunications equipment, industrial automation, and embedded defense systems requiring uninterrupted power and fault tolerance. Compatibility & Integration Standard 47-pin PICMG connector (Positronic PCIH47M400A1); optional 38-pin and 32-pin configurations available. Offset: 7.40 inches (0.291 inches) per PICMG standard.

CPCI3541022 Characteristics / Specifications

PARAMETER	VALUE
Model	CPCI354-1022-47
Also Known As	PCI354-1022-47
Instrument Type	CompactPCI AC front-end power supply
Family	Jasper CompactPCI Series 350 W 6U 8HP
Output Power	350 W maximum DC
Rail V	minus 12.0 V at 1.0 A
Input Voltage	AC 100 to 240 V 7.0 A max 50/60 Hz (90 to 264 VAC PFC class)
Power Factor	0.99 typical on AC 90 to 264 V
Hot Swap	N+1 redundant with internal OR-ing diodes
Current Share	single-wire sharing on 3.3 V, 5 V and plus 12 V
Connector Code	47 pin PICMG standard for AC models
Mechanical Package	6U x 8HP CompactPCI
Dc Sibling	DPCI354-1022 DC 36 to 72 V or 20 to 28 V class
Picmg Standard	PICMG 2.11
Safety Marks	UL/CSA NEMKO/TUV CE on the CompactPCI family
Rohs	family RoHS compliant builds
Operating Temperature Class	0 to 50 C full load with specified airflow (family)
Hold Up Class	outputs remain in regulation after AC loss per PICMG family table
Ripple Class	50 mV max or 1 percent pk-pk DC to 20 MHz on CompactPCI family
Remote Sense	V1 V2 V3 remote sense on PICMG 47-pin assignment
Enable Inhibit	remote enable and remote inhibit on PICMG pins
Power Fail	TTL power-fail warning before rails drop out of regulation
Manufacturer	Jasper Electronics
Related Two Fifty	PCI254-1022-4 is the 250 W 3U sibling
Operating temperature	Class: 0 to 50 C full load with specified airflow (family)

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: 0 to 50 C full load with specified airflow (family)
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Hold Up Class	outputs remain in regulation after AC loss per PICMG family table
Ripple Class	50 mV max or 1 percent pk-pk DC to 20 MHz on CompactPCI family
Remote Sense	V1 V2 V3 remote sense on PICMG 47-pin assignment
Enable Inhibit	remote enable and remote inhibit on PICMG pins
Power Fail	TTL power-fail warning before rails drop out of regulation
Manufacturer	Jasper Electronics
Related Two Fifty	PCI254-1022-4 is the 250 W 3U sibling Notes From Jasper CompactPCI family table (PCI354-1022-4 or 3 = 350 W 6U x 8HP) and PCI354-1022-47 LSSSG nameplate currents (5.0 V 40 A, 3.3 V 40 A, plus 12 V 9 A, minus 12 V 1 A, 100-240 V 7.0 A, 350 W). Confirm AC versus DC and latch/overlay suffixes on the installed unit.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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PARAMETER	VALUE
Model	CPCI354-1022-47
Also Known As	PCI354-1022-47
Instrument Type	CompactPCI AC front-end power supply
Family	Jasper CompactPCI Series 350 W 6U 8HP
Output Power	350 W maximum DC
Rail V1	5.0 V at 40.0 A
Rail V2	3.3 V at 40.0 A
Rail V3	plus 12.0 V at 9.0 A
Rail V4	minus 12.0 V at 1.0 A
Input Voltage	AC 100 to 240 V 7.0 A max 50/60 Hz (90 to 264 VAC PFC class)
Power Factor	0.99 typical on AC 90 to 264 V
Hot Swap	N+1 redundant with internal OR-ing diodes
Current Share	single-wire sharing on 3.3 V, 5 V and plus 12 V
Connector Code	47 pin PICMG standard for AC models
Mechanical Package	6U x 8HP CompactPCI
Dc Sibling	DPCI354-1022 DC 36 to 72 V or 20 to 28 V class
Picmg Standard	PICMG 2.11
Safety Marks	UL/CSA NEMKO/TUV CE on the CompactPCI family
Rohs	family RoHS compliant builds
Operating Temperature Class	0 to 50 C full load with specified airflow (family)
Hold Up Class	outputs remain in regulation after AC loss per PICMG family table
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PARAMETER

VALUE

Related Two Fifty

PCI254-1022-4 is the 250 W 3U sibling

Notes

From Jasper CompactPCI family table (PCI354-1022-4 or 3 = 350 W 6U x 8HP) and PCI354-1022-47 LSSSG nameplate currents (5.0 V 40 A, 3.3 V 40 A, plus 12 V 9 A, minus 12 V 1 A, 100-240 V 7.0 A, 350 W). Confirm AC versus DC and latch/overlay suffixes on the installed unit.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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NIST-traceable calibration · SAM registered ·
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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.