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Data Sheet

August 13, 2026

KONTRON

Kontron CP3-SVE-P200ACG AC-DC Converter

Kontron Power Supply Modules. Voltage: 90–264 VAC continuous, Current: 15 A peak (thermistor and electronic switch limited).



MODEL Kontron CP3-SVE-P200ACG	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU CP3-SVE-P200ACG	LISTING https://aumictechlabs.com/products/cp3-sve-p200acg-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Kontron CP3-SVE-P200ACG is a 200 W AC-DC converter module engineered for CompactPCI systems and industrial electronic enclosures. It delivers multiple regulated output rails with hot-swap capability, current sharing across up to six parallel units, and redundant operation support. The unit accepts universal AC input (90–264 VAC, 47–63 Hz) and provides stable power in demanding temperature environments ranging from -40°C to +70°C, making it suitable for embedded applications requiring high availability and thermal resilience. Technical Specifications Power Output Nominal: 200 W @ 200 LFM; 250 W @ 400 LFM +5V / 40 A +3.3V / 40 A +12V / 5.5 A -12V / 1.5 A Input Specifications Voltage: 90–264 VAC continuous Frequency: 47–63 Hz Inrush Current: 15 A peak (thermistor and electronic switch limited) Performance Efficiency: 80% at full rated load, 115 VAC Hold-up Time: 20 ms Switching Frequency: 125–145 kHz Operating Temperature: -40°C to +70°C (50°C without derating) Electrical Protection All outputs: short-circuit protected with automatic recovery Over-temperature shutdown with automatic reset Power Fail Signal (FAL#): TTL-compatible, open collector active low; triggers

when any output drops below 90% nominal or input falls below 85 VAC

Key Features

- Hot-swappable design for live insertion and removal
- Current sharing: $\pm 10\%$ accuracy across up to six parallel units on V1, V2, and V3 via single-wire tie
- Redundant operation capable
- Remote voltage sense on all three main rails plus sense return
- 47-pin Positronic male connector for direct backplane integration
- Peak inrush limiting prevents supply stress during soft start

Typical Applications

- 3U CompactPCI chassis and subsystems
- Industrial control systems requiring distributed redundant power
- Telecommunications and data center infrastructure embedded systems with extended temperature operation

Compatibility & Integration

- Direct integration with Kontron CompactPCI backplanes via 47-pin Positronic connector.
- Supports panel-mount installation in 19" rack enclosures.
- Multi-unit parallel configurations enable N+1 or N+M redundancy topologies with synchronized current distribution.

CP3SVEP200ACG Characteristics / Specifications

PARAMETER	VALUE
Model	CP3-SVE-P200ACG
Manufacturer	Kontron / PEP
Instrument Type	3U CompactPCI AC-DC power supply
Series	CP3-SVE-P200AC
Alias	CP3-SVE-P200AC; CP3-SVE-P200ACG
Form Factor	3U CompactPCI 8 HP
Front Panel	40.6 mm x 128.7 mm
Connector	Positronic 47 pin PICMG 2.11
Input Voltage	85 to 264 Vac continuous (90 to 264 Vac on some sheets)
Input Frequency	47 to 63 Hz
Hold Up Time	20 ms
Inrush	thermistor and electronic limit 15 A or 30 A class per sheet
Switching Frequency	125 to 145 kHz
Output V	minus 12 V at 1.5 A (2 A on some CP3-SVE-P200AC sheets)
Output Power 250 LFM	200 W
Output Power 400 LFM	250 W
Efficiency	80 percent at full load 115 Vac
Line Regulation	0.5 percent
Load Regulation	1 percent
Ripple 5 V 3.3 V	2 percent pk-pk (20 MHz)
Ripple 12 V	1.3 percent pk-pk
Minimum Load V1 V2 V	none to regulate V4 except 75 percent of V4 on V3
Hot Swap	yes
Current Share	yes
Short Circuit	all outputs protected

PARAMETER	VALUE
Status LEDs	input good and power fail
Operating Temperature	-40 to plus 70 C (50 C without derating)
Dielectric	4243 Vdc input to output EN60950
Input Fuse	internal non-user serviceable
Form	19 in rack plug-in PSU Notes Specs from Kontron CP3-SVE-P200AC datasheet/manual (200 W, 5 V/40 A, 3.3 V/40 A, 12 V/5.5 A, -12 V/1.5 A, Positronic 47). ConfirmGsuffix and -12 V 1.5 A versus 2 A on the nameplate.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	40 to plus 70 C (50 C without derating)
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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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Input Frequency	47 to 63 Hz
Hold Up Time	20 ms
Inrush	thermistor and electronic limit 15 A or 30 A class per sheet
Specifications	
PARAMETER	VALUE
Switching Frequency	125 to 145 kHz
Output V1	plus 5 V at 40 A
Output V2	plus 3.3 V at 40 A

Specifications

PARAMETER	VALUE
Output V3	plus 12 V at 5.5 A
Output V4	minus 12 V at 1.5 A (2 A on some CP3-SVE-P200AC sheets)
Output Power 250 LFM	200 W

Specifications

PARAMETER	VALUE
Output Power 400 LFM	250 W
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Line Regulation	0.5 percent

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Notes

Specs from Kontron CP3-SVE-P200AC datasheet/manual (200 W, 5 V/40 A, 3.3 V/40 A, 12 V/5.5 A, -12 V/1.5 A, Positronic 47). Confirm Gsuffix and -12 V 1.5 A versus 2 A on the nameplate.

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 ·
30-day returns
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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.