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Data Sheet

August 15, 2026

ASTRONICS / EADS / RACAL

Astronics / EADS / Racal CP290 1000W Power Supply for 1261B (P/N: 407377)

The Astronics CP290 power supply is a reliable and solid 1000W unit designed for use with the 1261B test system. It provides stable and efficient power, ensuring optimal performance and reliability for critical applications.



MODEL

**Astronics / EADS /
Racal
407377/CP290**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

407377/CP290

LISTING

<https://aumictechlabs.com/products/407377-cp290-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The CP290 is a 1000 W power supply module engineered for the Astronics/EADS/Racal 1261B VXI mainframe. This pluggable assembly connects directly to the mainframe backplane, delivering stable, efficient power with minimal ripple and noise. Designed to support high dynamic current output, the CP290 enables crisp waveforms and accurate measurements across demanding test applications. The unit operates across dual input voltage ranges - 115 Vrms $\pm 10\%$ or 230 Vrms - at 47 Hz to 63 Hz line frequency, with total available system power of 760 W. Three fused, self-healing auxiliary outputs provide regulated DC: +5 V @ 1 A, +12 V @ 1 A, and +24 V @ 1 A. The 1261B mainframe incorporates a fault-tolerant cooling architecture with independently pluggable fan and power supply modules, reducing acoustic noise to 56 dBA at low fan speed and enabling

hot-swappable maintenance. Temperature range spans 0 °C to +55 °C operating and up to 40,000 ft non-operating altitude. Full VXIbus 1.4 compliance and VXIplug&play compatibility ensure seamless integration with modular instrumentation ecosystems. Technical Specifications Model: CP290 (CP290-01) Part Number: 407377 Power Output: 1000 W Total Available System Power: 760 W Input Voltage: 115 Vrms $\pm 10\%$ or 230 Vrms Input Frequency: 47 Hz to 63 Hz Auxiliary DC Outputs (fused, self-healing): +5 V @ 1 A, +12 V @ 1 A, +24 V @ 1 A Operating Temperature: 0 °C to +55 °C Relative Humidity: Up to 95% at 30 °C rise; up to 45% at 55 °C Operating Altitude: 5,000 ft (4,570 m) Non-Operating Altitude: 40,000 ft (12,190 m) Acoustic Noise: 56 dBA (fan speed control set to low) Key Features Direct backplane integration with pluggable form factor High dynamic current for accurate waveform generation Low ripple and noise performance Fault-tolerant cooling system with independently pluggable fan assemblies Fused, self-healing auxiliary DC outputs Integrated system monitoring: voltage, current, airflow, and temperature status Typical Applications modular test and measurement systems VXI-based instrumentation racks Automated test equipment (ATE) requiring stable, low-noise power distribution Compatibility & Integration Primary System: Astronics/EADS/Racal 1261B 13-Slot VXI Mainframe VXIbus Specification: 1.4 compliant VXIplug&play: Compatible Modular Design: Hot-swappable, independently pluggable assembly

407377CP290 Characteristics / Specifications

PARAMETER	VALUE
Model	CP290
Instrument Type	VXI mainframe power supply
Rated Power Class	1000 W
Host Mainframe	Racal 1261B
Manufacturer Line	Racal Instruments / Astronics
Variant Cp290	1000 W supply for 1261B
Part Number Example	407377
Output Rails Class	standard VXI backplane voltages
Cooling Class	mainframe forced air class
Package Style	1261B power supply module
Operating Temperature Class	mainframe rated class
Storage Temperature Class	mainframe accessory class
Input Ac Class	mains AC per 1261B supply design
Protection Class	overcurrent overtemperature class
Mounting	1261B supply bay
Replacement Role	field replaceable supply
Series Family	Racal 1261B accessories
Related Ears Kit	rack mount ears class
Related Chassis	1261BCsize VXI mainframe
Efficiency Class	high power mainframe supply class
Hold Up Class	supply dependent hold up class
Status Indicators Class	front panel supply status class
Weight Class	mainframe supply module class
Safety Agency Class	mainframe certified system class
Service Life Class	depot replaceable FRU

PARAMETER	VALUE
Storage temperature	Class: mainframe accessory class
Operating temperature	Class: mainframe rated class

407377CP290 Specifications

PARAMETER	VALUE
Astronics Racal CP290 1000 W Power Supply for 1261B	Overview
Applications	Powering dense Racal 1261B VXI mainframes, high-current VXI ATE racks, and replacement of aging 1261B system supplies.
Key Features	1000 W class mainframe power supply
Designed for Racal 1261B chassis	CP290 and CP290 01 orderable variants
Technical Specifications	Model: CP290

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	Class: mainframe accessory class
Operating temperature	Class: mainframe rated class
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Weight Class	mainframe supply module class
Safety Agency Class	mainframe certified system class
Service Life Class	depot replaceable FRU Notes From Astronics/EADS/Racal 1261B accessory listings for CP290/CP290-01 1000 W power supplies. Exact rail currents are defined in the 1261B mainframe power specification.

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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Notes

From Astronics/EADS/Racal 1261B accessory listings for CP290/CP290-01 1000 W power supplies. Exact rail currents are defined in the 1261B mainframe power specification.

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.