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**Data Sheet**

August 15, 2026

ASTRONICS / EADS / RACAL

# Astronics / EADS / Racal CP290-01 1000W Power Supply for 1261B

Astronics Racal CP290 1000 W Power Supply for 1261B The Astronics/EADS/Racal CP290 is a 1000 W class power supply module for the Racal 1261B VXI mainframe family. OEM Racal mainframe accessory lists identify CP290 and CP290-01 as the high-power supply options supporting fully loaded 1261B chassis. Powering dense Racal 1261B VXI mainframes, high-current VXI ATE racks, and replacement of aging 1261B system supplies. Instrument Type: VXI mainframe power supply The Astronics/EADS/Racal CP290 is a 1000 W class power supply module for the Racal 1261B VXI mainframe family. OEM Racal mainframe accessory lists identify CP290 and CP290-01 as the high-power supply options supporting fully loaded 1261B chassis. Powering dense Racal 1261B VXI mainframes, high-current VXI ATE racks, and replacement of aging 1261B system supplies. Instrument Type: VXI mainframe power supply Manufacturer Line: Racal Instruments / Astronics



MODEL

**Astronics / EADS /  
Racal CP290-01**

CALIBRATION

**Available on  
request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**CP290-01**

LISTING

[https://aumictechlabs.c  
om/products/cp290-01  
-2/](https://aumictechlabs.com/products/cp290-01-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

## This unit

The CP290-01 is a 1000 W power supply module engineered for the Astronics/EADS/Racal 1261B VXI mainframe. This pluggable assembly mounts directly to the mainframe backplane and delivers

stable DC power across multiple voltage rails under demanding operational conditions. Input acceptance spans 90 VRMS to 250 VRMS at 45–440 Hz, enabling global deployment. The supply generates 2000 W of available DC power for the system, with primary outputs of +5 V @ 80 A and +12 V @ 17 A (IMP ratings), plus fused auxiliary rails at +5 V, +12 V, and +24 V @ 1 A each. All rail voltages are monitored and reported through a rear connector. Technical Specifications Input: 90–250 VRMS, 45–440 Hz (120 V operation); 45–63 Hz (115 V); 45–66 Hz (230 V) Power Output: 1000 W rated; 1130 W maximum consumption DC Rail Outputs: +5 V @ 80 A (IMP), 15 A (IMD); +12 V @ 17 A (IMP), 3 A (IMD) Auxiliary Outputs (fused, self-healing): +5 V @ 1 A, +12 V @ 1 A, +24 V @ 1 A System DC Power: 2000 W available (1261B mainframe) Operating Temperature: 0 °C to +55 °C Humidity: Up to 95% at ≤30 °C rise; up to 45% at +55 °C Altitude: 5000 ft operating; 40,000 ft non-operating Acoustic Noise: 56 dBA (fan low speed) Key Features Fault-tolerant cooling system with three pluggable rear-mounted fans and HI/LO speed control Rear connector for real-time monitoring of all rail voltages VXIbus Rev. 2.0 fully compliant EMC compliance: FCC 47 CFR Part 15, EN50081-1, EN50082-1; emissions per EN 55011/55022 Class B and EN 60555-2 Supports wide input frequency range for variable-speed drive environments (45–440 Hz) Compatibility & Integration Designed for 1261B VXI mainframe (13-slot, C-size architecture) Alternative part numbers: 407377-100, 407377-910, CP290-01J Ships at 30 lbs

# CP290 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     |

# CP290 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                                                                                                                                                                         |
| Operating Temperature       | Class: mainframe rated class                                                                                                                                                                         |
| 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 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              |                                   |
|-----------------------------|-----------------------------------|
| 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 01            | 1000 W supply for 1261B           |
| Part Number Example         | 407377                            |
| Output Rails Class          | standard VXI backplane voltages   |
| Cooling Class               | mainframe forced air class        |
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| Operating Temperature Class | mainframe rated class             |
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| Mounting                    | 1261B supply bay                  |
| Replacement Role            | field replaceable supply          |
| Series Family               | Racal 1261B accessories           |
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| 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.

### Available from Aumictech

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

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

#### Aumictech

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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.