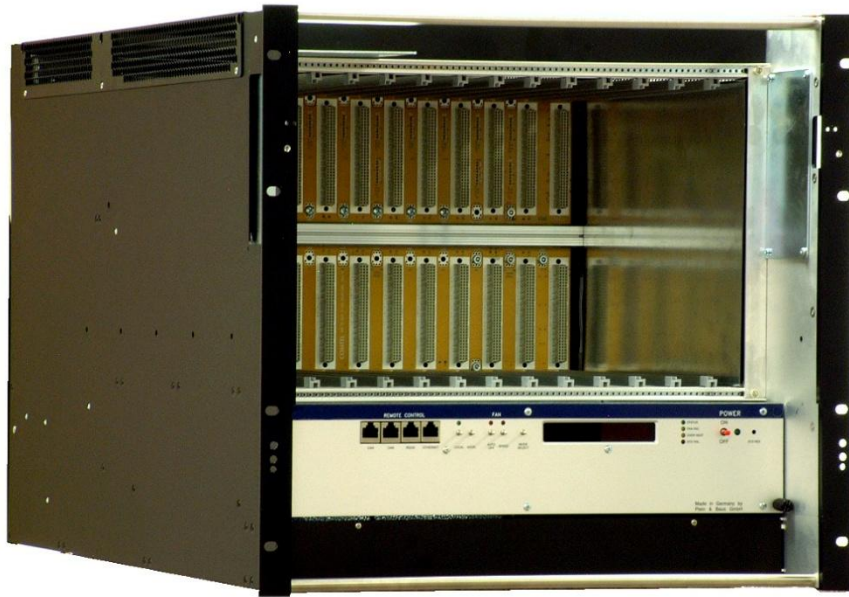


6U VXI-C Size High Power Receiver Crate



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- High-power 6U VXI-C crate capable of delivering up to 6kW DC via modular UEP 6021 PSU
- 13-slot VXI backplane with rugged 19", 10 U enclosure for demanding test applications
- Advanced dual cooling: temperature-controlled fan tray with high-volume airflow and air filter for optimal thermal management
- Comprehensive monitoring/control via integrated CML with Ethernet/RS232/CAN/USB capabilities
- Built to 6000-series high-reliability standards with full protection, modular mechanics, and isolated DC power distribution

Electrical Parameters:	
Inputs	
Mains input range	94–260 VAC worldwide auto-range with power factor correction (via UEP 6021 PSU)
Input current	Not specified
Inrush current	Not specified
Input fuse	Not explicitly specified.
Outputs	
Number of channels	13 VXI 6U × 340 mm module slots
Output Voltages	Configurations up to 6 kW DC using UEP 6021, with variants like +5 V up to 230 A, ±12 V etc.
Output Power	+5 V up to 230 A ±12 V rails –5.2 V, +24 V,
Overvoltage protection	Integrated in PSU
Overcurrent protection	Integrated in PSU
Ripple and Noise	Low noise < 10 mVpp (<12 V), < 15 mVpp others
Efficiency	Not explicitly stated, typical of high-density switching PSUs.
Monitoring & Control	
Voltage	Displayed locally via microprocessor-controlled fan tray with alphanumeric LED panel
Current	
Status LED	Included as part of fan tray display and control interface
Isolation	
Input - Output	No high-voltage AC inside bin or fan tray; fully isolated DC distribution from PSU
Input - Chassis	No high-voltage AC inside bin or fan tray; fully isolated DC distribution from PSU
Output - Chassis	No high-voltage AC inside bin or fan tray; fully isolated DC distribution from PSU
Environment and Cooling:	
Operation temperature:	Not stated; inferred to align with UEP 6021 specifications (e.g., 0–50 °C).
Cooling media	High-pressure, high-air-volume fan tray with air filter, bottom/side intake and top/rear outlet, temperature-controlled fans with adjustable speed 1200–3600 RPM
Mechanical Parameters	
Dimensions	19" × 10 U × 674 mm (W × H × D)
Weight	26 kg
Input Connector	PSU module connects at rear; details not separately listed.
Output connector	VXI backplane (J1/J2, monolithic 13-slot), with option for side card cages
Mounting	19" rack-mount bin, rugged steel-aluminum construction, front-side connector cage
Other	
Communication Protocols	CML shelf manager control via Ethernet, RS232, CAN-bus, USB interfaces
Reliability	Rugged modular design, suited for high-demand test environments.
Warranty / Maintenance	Not specified.

Main Power

- **Output Voltages: Configurations (e.g., +5 V up to 230 A, ± 12 V, -5.2 V, +24 V etc.) via UEP 6021 PSU system, total power up to 6 kW DC**
- **Output Power: Up to 6 kW DC via high-density modular PSU**
- **Overvoltage / Overcurrent Protection: Programmable trip and auto protection in PSU**
- **Ripple & Noise: Low noise < 10 mVpp (<12 V rails), others < 15 mVpp**
- **Efficiency: Not specified.**

Auxiliary Power

- **None – primary rails supplied exclusively via integrated PSU(s)**

Compliance

- **Safety: Adheres to CE EN 60950, ISO 380, VDE 0805, UL 1950, C22.2.950 via PSU design**
- **EMC: Not explicitly listed**
- **CE conformity: Yes — PSU supports worldwide AC input with PFC**

Environmental

- **Operating temperature: Not listed; inferred similar to PSU spec (0–50 °C)**
- **Storage temperature: Not specified**
- **Clean earth wiring: Not specified**
- **Cooling: High-volume fan tray with adjustable-speed fans, air filter, bottom/side intake, top/rear exhaust**

Communication / Monitoring

- **Local: Microcontroller-driven fan tray with alphanumeric LED display + status LEDs**
- **Remote: Ethernet, RS232, CAN-bus, USB via Shelf Manager interface**