VXI-C size 6025

VXI-C size 6025 Bulletpoints

- **Mechanics: 13U × 23" × 28", IEEE 1155 VXI C-size compliant, EMC/ESD-protected**
- **Slots: 13 VXI C-size user slots (plus system slots)**
- **Power Supply: Up to 6 kW DC output, flexible PSU module configuration**
- **Interfaces: Ethernet, RS232, CAN-bus for remote monitoring & control**
- **Cooling: High-performance fan tray with 6 adjustable DC fans, filtered airflow (bottom-to-top)**
- **Protection: Built-in overvoltage/overcurrent protection via microprocessor-controlled PSU (UEP 6021)**

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Electrical Parameters:	
Inputs	
Mains input range	Autoranging, with PFC (exact range per UEP 6021 PSU, typically 90–264 VAC)
Input current	Depends on load (up to full 6 kW DC output)
Inrush current	Limited via PSU system (UEP 6021)
Input fuse	Integrated in PSU module
Outputs	
Number of channels	Flexible (modular PSU configuration, multiple rails possible)
Output Voltages	+5 V (up to 230 A), ±12 V, –5.2 V, other configurations via UEP 6021
Output Power	Up to 6 kW DC with 6U PSU box
Overvoltage protection	Yes, microprocessor-controlled (UEP 6021)
Overcurrent protection	Yes, microprocessor-controlled (UEP 6021)
Ripple and Noise	<3 mVpp (<12 V rails), <10 mVpp (other rails)
Efficiency	75–85 % (VHF-switching PSU)
Monitoring & Control	
Voltage	Remote monitoring via Ethernet / RS232 / CAN-bus
Current	Remote monitoring via Ethernet / RS232 / CAN-bus
Status LED	Alphanumeric LED display and status LEDs on fan tray
Isolation	
Input - Output	galvanically isolated
Input - Chassis	galvanically isolated
Output - Chassis	galvanically isolated
Environment and Cooling:	
Operation temperature:	Not specified (comparable to 6000 series)
Cooling media	Forced air, bottom-to-top airflow, filtered Fan tray with 6 adjustable DC fans
Mechanical Parameters	
Dimensions	13U × 23” × 28” (VXI C-size full crate)
Weight	Approx. 50–60 kg (depending on PSU configuration)
Input Connector	IEC-type (per PSU module)
Output connector	Crate rear connectors (backplane)
Mounting	19” rackmount, IEEE 1155 VXI C-size compliant
Other	
Communication Protocols	Ethernet, RS232, CAN-bus
Reliability	Industrial-grade PSU system with microprocessor-controlled monitoring
Warranty / Maintencance	Standard WIENER warranty, hot-swappable fan tray with air filter

Electrical, Environmental & Compliance Data

Main Power

- **Output Voltages / Currents: Flexible configurations (e.g., +5 V up to 230 A, ±12 V, –5.2 V, etc.)**
- **Output Power: Up to 6 kW DC with 6U PSU box**
- **Overvoltage / Overcurrent Protection: Built-in via microprocessor-controlled PSU system (UEP 6021)**
- **Ripple & Noise: Ultra-low noise: <3 mVpp for <12 V rails; <10 mVpp for other rails**
- **Efficiency: High, typical of VHF-switching PSU (approx. 75–85%)**

Auxiliary Power

- **None – primary rails provided via UEP 6021 PSU modules**

Compliance

- **Safety: CE EN 60950, ISO 380, VDE 0805, UL 1950, C22.2.950 (design per 6000 series)**
- **CE conformity: Yes, autoranging mains input with PFC**

Environmental

- **Operating temperature: Not specified (similar to 6000-series)**
- **Cooling: High-performance fan tray (6 adjustable DC fans, airflow bottom to top, air filter)**

Communication / Monitoring

- **Local: Alphanumeric LED display and status LEDs on fan tray**
- **Remote: Ethernet, RS232, CAN-bus interface for full crate monitoring and control**