

VXI-C size 165 Mini



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- Compact 6-slot VXI-C mini crate (5U) with integrated low-noise PSU and blower
- Output options: +5 V (45 A or 115 A spec), ± 12 V (11.5 A or 23 A spec); total DC power up to ~1100 W.
- Tight regulation: static < 0.05 – 0.1 %, dynamic < 0.7 %, fast recovery times.
- Fully monitored and controllable: alphanumeric LED, status LEDs, Ethernet remote control.
- Efficient cooling with adjustable-speed DC blower and thermal protection features.

Electrical Parameters:	
Inputs	
Mains input range	94–265 VAC (106–230 VAC ±15%) with worldwide autorange and PFC
Input current	16 A sinusoidal
Inrush current	Limited to rated input current (soft-start)
Input fuse	External fuse (internally optional)
Outputs	
Number of channels	6-slot monolithic VXI C-size (6U × 340 mm) backplane
Output Voltages	Standard configuration: +5 V / 45 A, +12 V / 11.5 A, –12 V / 11.5 A. Optional “Special” config: +5 V / 115 A, ±12 V / 23 A
Output Power	650 W ... <1100 W (depending on mains voltage 92–265 VAC)
Overvoltage protection	
Overcurrent protection	
Ripple and Noise	Typically < 10 mVpp or 3 mVrms
Efficiency	
Monitoring & Control	
Voltage	Displayed on alphanumeric LED (via fan tray & PSU)
Current	Displayed on LED, monitored via PSU shelf manager
Status LED	Yes (fan tray and PSU status LEDs)
Isolation	
Input - Output	Complies with safety standards: CE EN 60950, ISO 380, VDE 0805, UL 1950, C22.2.950
Input - Chassis	
Output - Chassis	
Environment and Cooling:	
Operation temperature:	Not explicitly stated
Cooling media	Efficient DC blower with adjustable speed (1200–3200 RPM), integrated fan and thermal monitoring, 8 temperature sensor ports (5 free), temperature display in C/F, programmable over-temperature protection
Mechanical Parameters	
Dimensions	19" × 5U (178 mm) × 480 mm (W × H × D)
Weight	25 kg
Input Connector	Standard AC inlet (part of built-in PSU; not separately detailed)
Output connector	VXI backplane J1/J2 for module slots
Mounting	Desktop or upright desktop mode; also 19" rack-mountable
Other	
Communication Protocols	Ethernet interface for remote monitoring and control
Reliability	Built-in microprocessor-controlled low-noise PSU and cooling, compact and robust design
Warranty / Maintenance	Not specified

Electrical, Environmental & Compliance Data

Main Power

- Output Voltages / Currents: +5 V (45 A or 115 A special), +12 V / –12 V (11.5 A or 23 A special)
- Output Power: 650 W to <1100 W (depending on mains voltage)
- Overvoltage / Overcurrent Protection: Integrated via built-in PSU (programmable)
- Ripple & Noise: Typically < 10 mVpp or 3 mVrms
- Efficiency: Not specified

Auxiliary Power

- None – all power delivered via integrated PSU module

Compliance

- Safety: CE EN 60950, ISO 380, VDE 0805, UL 1950, C22.2.950
- EMC (emission): EN 61000-6-3, EN 55022 Class B (conducted/radiated), EN 61000-3-2 (harmonics), EN 61000-3-3 (flicker)
- EMC (immunity): EN 61000-6-2; EN 61000-4-2/3/4/5/6/11
- CE conformity: Yes – both PSU and crate CE-compliant; mains with PFC

Environmental

- Operating temperature: Not specified
- Storage temperature: Not specified
- Clean earth wiring: Not specified
- Cooling: DC blower with adjustable speed (1200–3200 RPM), thermal sensors (8 ports), thermal display, over-temperature programming

Communication / Monitoring

- Local: Local: Alphanumeric LED display + 4 status LEDs
- Remote: Ethernet interface for crate monitoring and control