

# 6U VME 475 Mini Chassis



## 6U VME 395 Mini Chassis Bulletpoints

- **Wide-range** AC input (90-265 VAC) with PFC
- **Up to 600 W** , redundant hot-swappable PSUs
- **Ethernet & USB** monitoring/ control via Shelf Manager
- **Forced-air** cooling with removable DC blower
- **CE/UL certified** for reliable VME/VME64x operation

# Technical Information

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<b>Electrical Parameters:</b>	
<b>Inputs</b>	
Mains input range	90–265 VAC, 47–63 Hz
Input current	Not specified
Inrush current	< 30 A @ 230 VAC
Input fuse	10 A
<b>Outputs</b>	
Number of channels	Not specified
Output Voltages	+5 V, +3.3 V, +12 V, –12 V (33 A/6 A/1 A or 66 A/12 A/2 A)
Output Power	250 W (optional 300 W) per PSU, redundant configuration possible
Oversvoltage protection	Programmable trip, protection against sense line failures
Overcurrent protection	Not explicitly mentioned
Ripple and Noise	< 50 mVpp (typ. < 30 mVpp), < 3 mVrms
Efficiency	Up to ~80% depending on output configuration
<b>Monitoring &amp; Control</b>	
Voltage	Readable via alphanumeric display and shelf manager
Current	Same as Voltage
Status LED	4 Status LEDs + alphanumeric display
<b>Isolation</b>	
Input - Output	CE EN 60950, ISO 380, VDE 0805, UL 1950, C22.2.950 compliant
Input - Chassis	Not specified
Output - Chassis	Not specified
<b>Environment and Cooling:</b>	
Operation temperature:	0–40 °C without derating; RH 30–80% non-condensing; >85 kPa for 600 W continuous load
Cooling media	Front removable high-RPM DC blower (1200–3200 RPM), temperature-controlled, with air filter
<b>Mechanical Parameters</b>	
Dimensions	482 mm × 215 mm × 300 mm (W × H × D)
Weight	10 kg
Input Connector	IEC mains connector (details not specified)
Output connector	For cPCI PSUs, not detailed
Mounting	Desktop, Tower, or 19" rack-mount
<b>Other</b>	
Communication Protocols	WIENER CML shelf manager with Ethernet & USB interfaces
Reliability	Hot-swappable, redundant PSUs; robust mechanical design
Warranty / Maintenance	Not specified

# Electrical, Environmental & Compliance Data

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## Main Power

- Output Voltages / Currents: +5 V / 33–66 A, +3.3 V / 6–12 A, +12 V / 1–2 A, –12 V / 1–2 A (depending on PSU version, 250 W or 300 W modules, redundant configuration possible)
- Regulation (load change 10–100 %): not explicitly specified (shelf manager monitors and maintains regulation; typically tight due to low-noise cPCI PSU design)
- Ripple & Noise (full load): < 50 mVpp (typ. < 30 mVpp, 0–20 MHz), < 3 mVrms (0–2 MHz)
- Recovery time (10–100 % load): not specified
- Output impedance (static/dynamic @ 100 kHz): not specified

## Auxiliary Power

- None – primary rails provided via VME/VME64 backplane

## Compliance

- Safety: CE EN 60950, ISO 380, VDE 0805, UL 1950, C22.2.950
- EMC (emission): not explicitly listed (PSUs with PFC, CE compliant)
- EMC (immunity): not explicitly listed
- CE conformity; Input with PFC: Yes

## Environmental

- Operating temperature: 0 °C ... 40 °C (no derating); relative humidity 30–80 % non-condensing; atmospheric pressure 70–110 kPa (> 85 kPa for 600 W continuous load)
- Storage temperature: not specified
- Clean earth wiring: not specified
- Chassis: forced-air cooled with removable high-RPM DC blower (1200–3200 RPM), temperature-controlled, front-to-back airflow, integrated filter

## Communication / Monitoring

- Voltage, current, fan speed, temperature, programmable trips via WIENER CML shelf manager
- Local: 4 status LEDs + alphanumeric display (V, A, RPM, °C, settings)
- Remote: Ethernet and USB interfaces (monitoring, programming, remote on/off, system reset, thermal supervision)

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