

6U VME 554 Portable Chassis



6U VME 554 Portable Chassis Bulletpoints

- **Portable 5-slot** VME/VME64x desktop crate
- **Redudant hot-swappable** 250/300 W PSUs with wide-range AC input
- **Shelf Manager** with local display, Ethernet & USB
- **Forced-air** cooling with quiet DC blower
- **CE/UL certified**, ~80% efficiency

Electrical Parameters:

Inputs

Mains input range	90–265 VAC, 47–63 Hz (worldwide auto-range, with PFC)
Input current	Not specified
Inrush current	< 30 A @ 230 VAC
Input fuse	10 A

Outputs

Number of channels	not specified (backplane powered via PSU)
Output Voltages	+5 V (33 A or 66 A), +3.3 V (6 A or 12 A), +12 V (1 A or 2 A), –12 V (1 A or 2 A)
Output Power	250 W (optional 300 W) per PSU, redundant hot-swappable
Overvoltage protection	programmable trips via Shelf Manager; sense line protection
Overcurrent protection	not explicitly stated
Ripple and Noise	< 50 mVpp (typ. < 30 mVpp), < 3 mVrms
Efficiency	up to ~80 % depending on PSU version

Monitoring & Control

Voltage	measured and displayed locally (alphanumeric display) and remotely via Shelf Manager
Current	monitored and displayed locally & remotely
Status LED	2 LEDs plus alphanumeric display

Isolation

Input - Output	CE EN 60950, ISO 380, VDE 0805, UL 1950, C22.2.950
Input - Chassis	Not specified
Output - Chassis	Not specified

Environment and Cooling:

Operation temperature:	0...40 °C (no derating); 30–80 % RH non-condensing; 70–110 kPa (≥85 kPa for 600 W continuous load)
Cooling media	quiet forced-air cooling via rear-to-rear DC blower, MTBF > 60 000 h at 40 °C; thermal cut-off at 110 °C (sink) / 70 °C (ambient), fan ramps at > 45 °C

Mechanical Parameters

Dimensions	337 mm × 200 mm × 325 mm (W × H (5U) × D)
Weight	10 kg
Input Connector	IEC mains connector (details not specified)
Output connector	via 5-slot monolithic VME or VME64x backplane (6U × 160 mm)
Mounting	portable desktop crate

Other

Communication Protocols	WIENER CML Shelf Manager with Ethernet & USB
Reliability	redundant, hot-swappable PSUs; blower MTBF > 60 000 h
Warranty / Maintenance	Not specified

Main Power

- Output Voltages / Currents: +5 V: 33 A or 66 A +3.3 V: 6 A or 12 A+12 V: 1 A or 2 A
- Regulation (load change 10–100 %): ± 1 – ± 4 %, depending on output voltage
- Ripple & Noise (full load): < 50 mVpp (typical < 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
- EMC (immunity): not explicitly listed
- CE conformity; Input with PFC: es – World-wide auto-range AC input (90–265 VAC) with PFC

Environmental

- Operating temperature: 0...40 °C without derating; RH 30–80 % non-condensing; atmospheric pressure 70–110 kPa (≥ 85 kPa for 600 W continuous power)
- Storage temperature: –30 °C ... +85 °C
- Clean earth wiring: not specified
- Chassis: Forced-air cooling via silent DC blower, rear-to-rear airflow; blower MTBF > 60 000 h at 40 °C; internal over-temperature cut-off (sink 110 °C, ambient 70 °C), fan ramps at > 45 °C

Communication / Monitoring

- Local: Alphanumeric LED display for voltages, currents, fan speed, temperatures, settings/programming; plus 2 status LEDs
- Built-in WIENER CML Shelf Manager: monitoring/control of power supply, fan, remote on/off, SYSRES, thermal monitoring, user I/O programming, with Ethernet & USB interfaces

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