

6U VME 195 Mini Chassis



6U VME 195 Mini Chassis Bulletpoints

- **9 VME/VME64 Slots** in kompaktem 6U-Chassis für Desktop oder 19"-Rack
- **Low-Noise-Netzteil** im Ethernet-Remote-Monitoring
- **Leistung bis 1100W**, Spannung: + 5 V, ± 12 V
- **Effiziente Kühlung** mit regelbare, Lüfter und Temperatursensoren
- **Robust & zuverlässig**, MTBF > 100.000 h, Gewicht ca. 25 kg

Electrical Parameters:	
Inputs	
Mains input range	94–265 V AC (auto-range), 106–230 V AC ±15%
Input current	16 A (sinusoidal)
Inrush current	Limitiert auf Nennstrom (kaltes Gerät)
Input fuse	Extern
Outputs	
Number of channels	3 (+5 V, +12 V, -12 V)
Output Voltages	+ 5 V / +12 V / -12 V
Output Power	650 W bis <1100 W (92–265 V AC)
Overvoltage protection	Crowbar, Abschaltung bei 125 % der Nennspannung
Overcurrent protection	Einstellbare Strombegrenzung
Ripple and Noise	<10 mV(pp) oder 3 mV(rms)
Efficiency	75–85 %
Monitoring & Control	
Voltage	Überwachung lokal & remote
Current	Überwachung lokal & remote
Status LED	4 Status-LEDs + alphanumerisches Display
Isolation	
Input - Output	CE EN 60950, ISO 380, VDE 0805, UL 1950, C22.2.950
Input - Chassis	Ja
Output - Chassis	Ja
Environment and Cooling:	
Operation temperature:	0–50 °C (ohne Derating), Lagerung: -30 °C bis +85 °C
Cooling media	DC-Lüfter, Drehzahl 1200–3200 RPM, Temperaturüberwachung (8 Sensorports)
Mechanical Parameters	
Dimensions	482 mm (B) × 178 mm (H) × 480 mm (T)
Weight	25 kg
Input Connector	AC-Eingang (IEC)
Output connector	VME/VME64 Backplane
Mounting	19" Rack, Desktop oder Tower
Other	
Communication Protocols	Ethernet für Remote Monitoring & Control
Reliability	MTBF: >100.000 h (Elektronik), >65.000 h (Lüfter bei 40 °C)
Warranty / Maintenance	Wartungsfrei, programmierbare Schutzfunktionen

Electrical, Environmental & Compliance Data

Main Power

- Output Voltages / Currents: +5 V / 45 A, +12 V / 11.5 A, –12 V / 11.5 A (Option “Special”: +5 V / 115 A, ±12 V / 23 A)
- Regulation (load change 10–100 %): Static < 0.05 % (MDH), < 0.1 % (MDL/MDH), over ±100 % load & full mains range
- Ripple & Noise (full load): typically < 10 mVpp or 3 mVrms (low-noise VHF switching)
- Recovery time (10–100 % load): Specified for ± 25% load Steps-> 550 W modules: 0.2 ms to ±1% / 0.5 ms to ±0.1%; 650 W modules: 0.5 ms / 1.0 ms; MDL/MDH: 0.0 ms / 1.0 ms
- 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): 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; Input with PFC

Environmental

- Operating temperature: 0 °C ... 50 °C (ambient, without derating)
- Storage temperature: –30 °C ... +85 °C
- Clean earth wiring: not specified
- Chassis: forced-air cooled rigid chassis (DC blower 1200–3200 RPM), thermal monitoring (8 sensor ports), programmable over-temperature protection

Communication / Monitoring

- Operating temperature: 0 °C ... 50 °C (ambient, without derating)
- Storage temperature: –30 °C ... +85 °C
- Clean earth wiring: not specified
- Chassis: forced-air cooled rigid chassis (DC blower 1200–3200 RPM), thermal monitoring (8 sensor ports), programmable over temperature protection

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