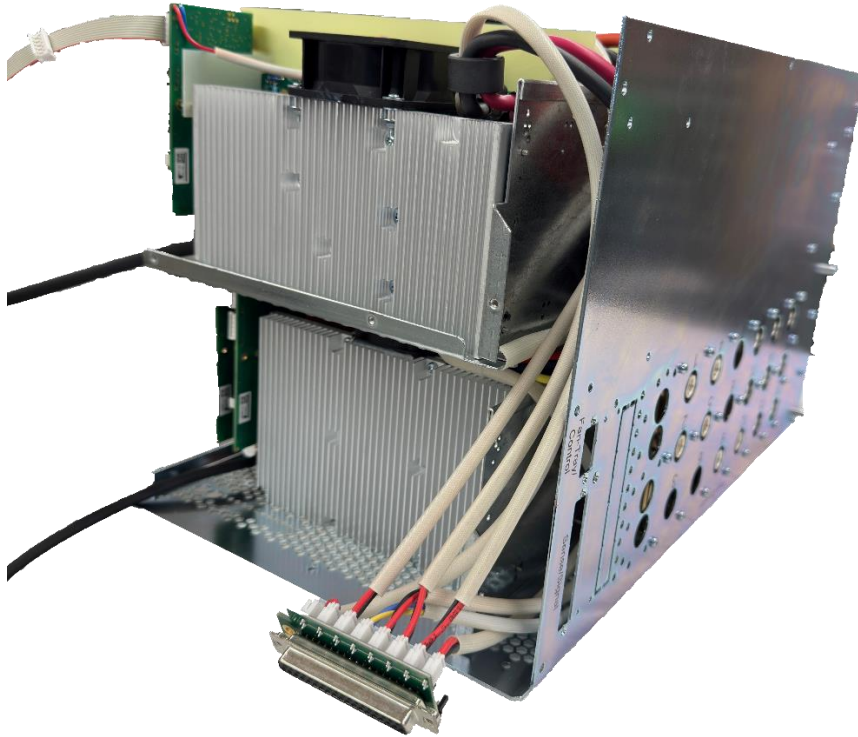


VME Power Supply DC 3U 3KW & 6KW

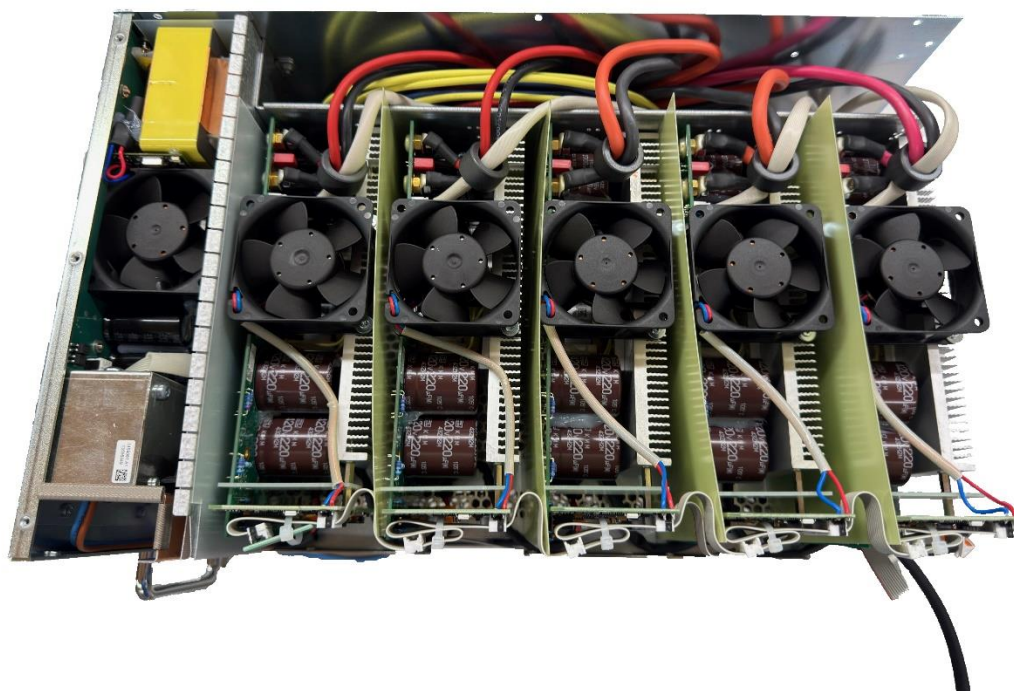


VME Power Supply DC 3U 3KW & 6KW Key Specifications

- Up to 3 kW DC output, with 5 to 6 power module slots
- Ripple/noise: <15 mVpp standard, optional ultra-low <3 mVpp (<10 mV other rails)
- Efficiency: 75–85%, depending on modules
- Interfaces: RS-232 & CAN-Bus, fully programmable
- Size: 430 mm × 133 mm × 250 mm, weight ~9.6–20 kg
- Outputs: Up to 8 independently regulated, floating outputs, parallelable

Technical Information

Form Factor	3U or 6U rack-mountable chassis
Dimensions (Power Box)	3U: ~430 mm (W) × 133 mm (H) × ~325 mm (D); 6U: larger with dual mains input
Weight	Varies by configuration (est. 9.6 kg to 20 kg)
Operating Temperature	0 °C to +50 °C (without derating)
Storage Temperature	–30 °C to +85 °C
Input Voltage Range	90–265 VAC, 50/60 Hz, auto-ranging with active power factor correction
Efficiency	75% to 85% depending on used modules
Maximum Output Power	Up to 3 kW (3U), up to 6 kW (6U) total output
Output Voltage Range (per module)	2 V to 60 V depending on module type (MEH, MDH, MDL)
Output Current Range	Up to 115 A (e.g., MEH 2–7 V module)
Voltage Rise Time	Monotonic 50 ms, processor controlled
Ripple & Noise	Typically <15 mVpp, <2 mVrms (0–30 MHz)
Regulation Accuracy (Static)	<0.05% to <0.1% depending on module type
Recovery Time (Dynamic Load)	0.0 ms to 1.0 ms depending on module and conditions
Isolation (Floating Range)	All outputs are floating; ground configurable at backplane level
Temperature Shutdown Limits	Fan/heatsink shutdown at >125 °C
Overvoltage Protection	Crowbar trip at 125% of nominal output
MTBF	>100,000 h (electronics); >65,000 h (fan @ 40 °C)
Interfaces	RS232, CAN-bus (power supply, fan tray, and bin communication)
Cooling Method	Internal long-life fans, optional water cooling for specific models
Number of Channels	Up to 8 independently regulated DC outputs
Sense Compensation Range	Supports remote sensing, compensation depends on wiring
Voltage Regulation Modes	Voltage- and current-controlled per channel
Cable Distance Adaptation	Dynamic behavior adjustable via software
Output Connection Type	Via backplane; optionally isolated analog/digital grounds
Overcurrent Protection	Programmable current limits per channel
Trip-Off Logic	Trip within 5 ms on fault (OVP, UVP, OTP, fan fail, overload)
Interlock Function	PPM system prevents power-on if backplane config incompatible



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