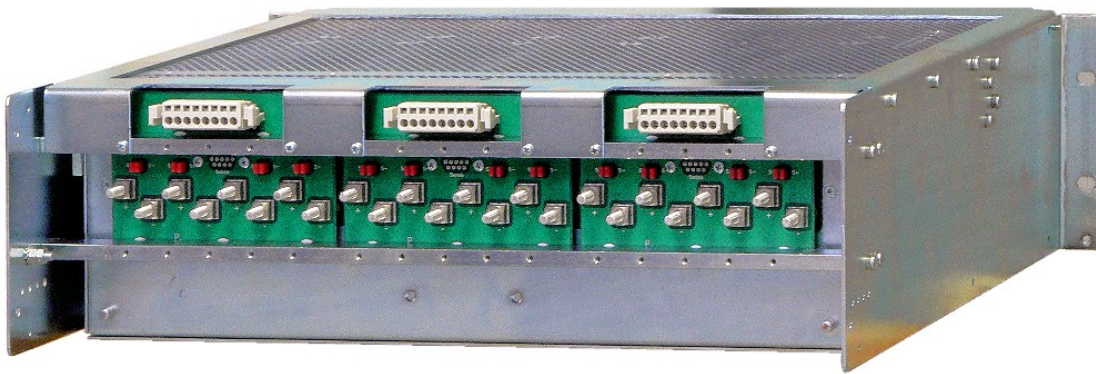




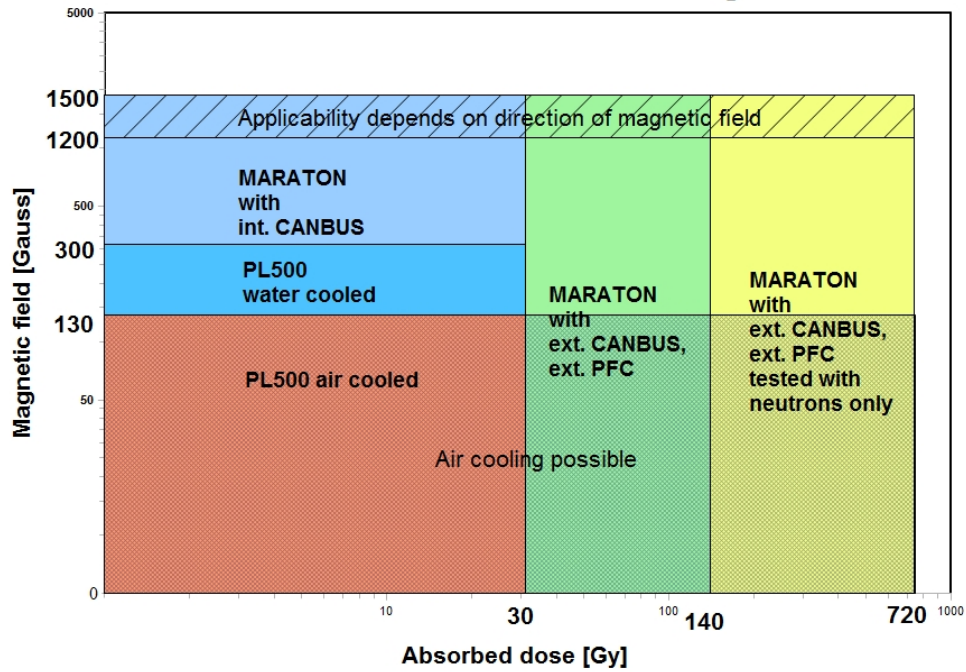
PL512 Key Specifications

- › • Up to 12 independent, floating DC outputs at 250 W each
- › • Total output power up to 3 kW (in a 3U chassis)
- › • Remote control and monitoring via USB, Ethernet, Web interface, SNMP
- › • Dynamic load compensation (short/medium/long) programmable via USB
- › • Voltage, current, temperature and trip parameters fully programmable
- › • Optional features: display, interlock, power-fail reset, water cooling

Technical Information

Form Factor	3U rack-mountable (19")
Dimensions (Power Box)	430 × 133 × 325 mm (W×H×D)
Weight	Approx. 9.6 kg to 19 kg
Operating Temperature	0 °C to +50 °C (without derating)
Storage Temperature	–30 °C to +85 °C
Input Voltage Range	94–265 VAC, 50/60 Hz, active PFC
Efficiency	75% @ 2 V, >83% >5 V, >90% >48 V
Maximum Output Power	Up to 3 kW total, 250 W per channel
Output Voltage Range (per module)	2 V to 85 V depending on module
Output Current Range	Up to 100 A depending on module
Voltage Rise Time	50 ms (default), programmable
Ripple & Noise	<15 mVpp (short wire), <3 mVpp (long wire)
Regulation Accuracy (Static)	<0.1% static (typ.)
Recovery Time (Dynamic Load)	0.2–1.0 ms (short wire), <320 ms (long wire)
Isolation (Floating Range)	±100 V standard, up to ±500 V optional
Temperature Shutdown Limits	90 °C (AC), 110 °C (heat sink), 70 °C (ambient)
Overvoltage Protection	125% of nominal output (factory default)
MTBF	>100,000 h (electronics), >65,000 h (blower)
Interfaces	USB, Ethernet, Web, SNMP
Cooling Method	Air cooled (optional water cooling)
Number of Channels	Up to 12 floating DC outputs
Sense Compensation Range	Up to 10 V or nominal output
Voltage Control Modes	Voltage or current controlled (per channel)
Dynamic Load Behavior	Programmable: short/medium/long (via USB)
Output Connections	M4 (80 A), 9-pin Sub-D (sense/temp)
Overcurrent Handling	Ilim/I _{max} , programmable per channel
Trip-Off Logic	Trip within 3 ms (deviation or fault)
Interlock Function	Optional (disables all outputs)

WIENER solutions for radiations and magnetic fields:



Kontron Hartmann Wiener GmbH
 Linde 18
 51399 Burscheid
 Tel.: +021746780
 info.we@kontron.com
www.kontron.com/kontron-hartmann-wiener