

MTM Power® - AC/DC Switching Power Supply Series PCMAT150 with BPC-Technology



PRODUCE SAFE AND RELIABLE.
WITH OUR INNOVATIONS.

The ever increasing number of electrical and electronic appliance requires a robust and reliable power supply. For use in different industrial applications, but also for the sophisticated use in the vehicle and railway technology, MTM Power® introduces with the series **PCMAT150** a new generation of AC/DC modules with Base Plate Cooling Technology (BPC-Technology).

The wide input voltage range of $90...264V_{AC}$ or $100...300V_{DC}$ enables the use as a plug-and-play solution in sensitive electronic sub-systems. Due to the rugged design with contact-cooling, it is possible to reduce the power loss via heat dissipation via the mounting plate while increasing the life-time of the devices at the same time.

The world wide unique **THERMOSELECTIVE VACUUM ENCAPSULATION TECHNOLOGY** (EP 1987708, US Patent No. 8,821,778 B2) protects against condensation, conductive dust and other pollutions and enables the undisturbed operation of the power supplies even under extreme environmental conditions.

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MTM POWER®

AC/DC Switching Power Supply Series PCMAT150

Output Power	150W
Input Voltage Ranges	90...264 V _{AC} 100...300 V _{DC} (optional)
DC Output Voltages	12V, 24V, 48V (on request)
Dimensions (L x W x H)	170 x 115 x 37,5 mm

Special Features

- Comply with EN 60950-1 / EN 61000-6-4 / EN 61000-6-2 (EN 61010-1 pending)
- Efficiency up to 95%
- Operating Temperature Range -40...+70°C
- OV2 Overvoltage Category (OV3 pending)
- 150% Power Boost
- Baseplate Cooling by Heat Dissipation via the Al Base Plate
- Industrial Connectors
- No Load Characteristics
- Parallel Operation by Internal Decoupling via FET
- Short Circuit and Transient Protection



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