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 $90...264 \text{ V}_{\text{ac}}$ or $100...300 \text{ V}_{\text{dc}}$ 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.
AC/DC Switching Power Supply Series PCMAT150

Output Power 150 W

Input Voltage Ranges 90...264 V<sub>AC</sub>
100...300 V<sub>DC</sub> (optional)

DC Output Voltages 12 V, 24 V, 48 V (on request)

Dimensions (L x W x H) 170 x 115 x 37,5 mm

Special Features
- Comply with EN 60950-1 / EN 61 000-6-4 / EN 61 000-6-2 (EN 61 010-1 pending)
- Efficiency up to 95%
- Operating Temperature Range -40...+70 °C
- OV2 Overvoltage Vategory (OV3 pending)
- 150 % Power Boost
- Baseplate Cooling by Heat Dissipation via the Al Base Plate
- Industrial Connectors
- No Load Characeristics
- Parallel Operation by Internal Decoupling via FET
- Short Circuit and Transient Protection

Made in Germany