

Rugged power for extreme conditions Power Supply Solutions for Industrial Vehicles

Power supply solutions from MTM Power Stability, reliability, quality, commitment



For industrial vehicles, reliability, robustness and efficiency are crucial. Whether on construction sites, in warehouses or in the field: these mobile work devices are exposed to extreme stresses such as strong impacts, vibrations, extreme temperature fluctuations, as well as dust, moisture and aggressive media. MTM Power is your specialist for power supply solutions that can meet these challenges.

For over 30 years, MTM Power has been a reliable supplier of power supply solutions manufactured in Germany. We develop and manufacture DC/DC converters and AC/DC modules optimised for safe and continuous operation in industrial trucks, agricultural machinery, construction machinery and other mobile applications. Thanks to a special encapsulation process, these robust power supply solutions are resistant to mechanical stresses such as shock and vibration, as well as environmental influences such as condensation, moisture and conductive dust, and offer an extended service life.

Areas of application



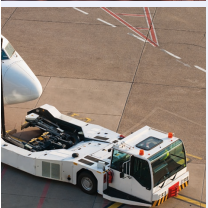
Industrial trucks

- Forklift trucks
- Pallet trucks
- Order pickers
- Aerial work platforms



Construction machinery

- Excavators
- Wheel loaders
- Electric cranes
- Electric dump trucks



Tugger vehicles

- Aircraft tuggers
- Baggage tuggers
- Maintenance tuggers

Agricultural machinery

- Tractors
- Combine harvesters
- Forage harvesters
- Seed drills and planting machines
- Field sprayers



AGVs/AMRs

- Driverless transport systems (DTS)
- Mobile robots for warehousing
- Sorting and picking robots
- Cleaning robots
- Automated storage and retrieval systems



MTM Power has state-of-the-art technologies and highly qualified employees:

In-house development department

- Team of experienced development engineers, designers and layout engineers
- Development also according to customer specifications
- Adaptation of standard products to customer requirements

In-house testing laboratory

- Electromagnetic compatibility (EMC) testing, electrical safety testing and testing of specified parameters over a wide range of temperatures
- Independent evaluation of development results
- Support for our customers in integrating products into customer applications

Modern manufacturing

- High flexibility for rapid implementation of customer requirements
- State-of-the-art equipment and manufacturing methods
- Complete traceability of the entire manufacturing process for each individual product
- 100% testing

Electrical
safety including
EN 1175, EN 61010-1
UN ECE-R100, UL 583

Electromagnetic
compatibility
including EN 12895,
UN ECE-R10

Examples of our extensive product range (customised products available)



PCMDS600-FT

DC/DC converter with protection type IP67 with wide-range input (33.6...96 V_{DC}), (81...153 V_{DC})
Output voltage: 12 V_{DC}, 13.7 V_{DC}, 24 V_{DC}
Inrush current limitation, FEP flat connectors, contact cooling via base plate
Power 600 W



PCMDS550-FT

DC/DC converter with protection type up to IP69K, with wide-range input (33.6...125 V_{DC})
Output voltage: 12 V_{DC}, 13.7 V_{DC}, 24 V_{DC}
Inrush current limitation, remote control active (RCa), adjustable undervoltage lockout (aUVLO), FEP flat connectors, base plate cooling
Power 550 W



PCMDS400-FT

DC/DC converter with protection type IP67 with wide-range input (16.8...43.5 V_{DC}), (33.6...96 V_{DC})
Output voltage: 12 V_{DC}, 13.8 V_{DC}, 24 V_{DC}
Inrush current limitation, FEP flat connectors, contact cooling via base plate
Power 400 W



PCMDNI300W

DC/DC converter with protection type IP20 with wide-range input (18...100.8 V_{DC}), (28...154 V_{DC})
Output voltage: 12 V_{DC}, 24 V_{DC}
Remote control, without galvanic isolation, active inrush current limitation, contact cooling via base plate
Power 300 W



PMD200-FT

DC/DC converter with protection type up to IP69K, with wide-range input (14.4...56 V_{DC}), (33.6...125 V_{DC})
Output voltage: 12 V_{DC}, 24 V_{DC}
Remote control, contact cooling via base plate
Power 200 W



PMDNI75-FT

DC/DC converter with protection type up to IP69K, with wide-range input (33.6...60 V_{DC}), (50...120 V_{DC})
Output voltage: 24 V_{DC}
Smallest dimensions 110 x 115 x 36 mm, without galvanic isolation, no-load stable, contact cooling via base plate
Power 75 W

Further information: www.mtm-power.com; info@mtm-power.com

