

### Features & Benefits

- Rugged Module for Military Applications
- High Efficiency, High Power Density
- Wide Input Voltage Range
- Programmable Output Voltage and Current
- Droop Current Sharing & Internal ORing Diode
- Multiple Units in A Redundant or Parallel System
- RS-485 Communication
- Input Under Voltage Protection
- Input/Output Over Voltage Protection
- Short Circuit Protection
- Over Temperature Protection
- Baseplate Cooled
- Compatible With KOLT AC-DC Converters

### Compliance

Module is designed to meet:

- MIL-STD-461G
- MIL-STD-810G

### Typical Applications

- Military/Defense Power Supplies
- Armored Vehicles
- Land Platforms
- Aerospace Platforms
- Communications and Radar Systems

Product Ratings	
V <sub>IN</sub>	310 – 425 V
V <sub>OUT</sub>	270 V
I <sub>OUT</sub>	12.5 A
P <sub>OUT</sub>	3375 W

### Product Description

KMPM02 is a small and efficient isolated DC-DC converter, designed for harsh environments that require a steady 270 VDC power supply. It can operate on a wide range of DC input voltages, from 310V to 425V. The design of the converter allows for it to operate at higher than rated power until thermal limits are reached. The module does not require a fan for cooling, relying instead on baseplate cooling technology for silent operation.

The KMPM02 is engineered to perform reliably under extreme environmental conditions. It comes with advanced protection features against external faults and disturbances, meeting major military standards. Thanks to KOLT's innovative engineering, the converter has a compact design that provides high power density and performance. The module can be easily configured at the factory to fit specific electrical and mechanical requirements of the application.



Size: 166 × 130 × 37.4 mm