

### Features & Benefits

- Isolated DC-DC Power Module
- Wide Input Voltage Range
- Programmable Output Voltage and Current
- Charger for Lead-Acid Batteries (Flooded, GEL and AGM) and Li-Ion Batteries (Lithium Iron and Lithium Manganese)
- 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
- Reverse Battery Protection
- Baseplate Cooled
- Compatible with KOLT AC-DC Converters

### Compliance

Module is designed to meet:

- MIL-STD-704F
- 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>	250 – 425 V
V <sub>OUT</sub>	28 V
I <sub>OUT</sub>	120 A
P <sub>OUT</sub>	3360 W

### Product Description

KMPM01 is a small and efficient isolated DC-DC converter, designed for harsh environments that require a steady 28 VDC power supply. It can operate on a wide range of DC input voltages, from 250 V to 425 V. The design of the converter allows for it to operate at higher than rated power until thermal limits are reached.

The KMPM01 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 × 36.5 mm