

Features & Benefits

- True 3-Phase AC input
- Rugged Unit for Military Applications
- High Efficiency, High Power Density
- Wide Input Voltage Range: 360-528 V_{LL,RMS}
- Input Frequency Range: 57-63 Hz
- Built-in Active PFC Function
- IP67 Sealed
- Low Power Auxiliary Outputs
- RS422 Communication
- Temperature Sensor
- Input Under Voltage Protection
- Input/Output Over Voltage Protection
- Input Over Current Protection
- Short Circuit Protection
- Over Temperature Protection
- Liquid Cooled
- LED Indicators
- Grounding Interface

Compliance

Module is designed to meet:

- MIL-STD-1399B
- MIL-STD-461E
- MIL-STD-810F

Typical Applications

- Military/Defense power supplies
- Naval power supplies (above/below deck)

Product Ratings	
V _{IN}	360–528 V _{LL,RMS} (Three-Phase)
V _{IN,NOM}	440 V _{LL,RMS}
V _{OUT}	22 V _{DC} (three channel)
I _{OUT,CHANNEL}	110 A (per channel)
P _{OUT,CHANNEL}	2420 W (per channel)
P _{OUT,TOTAL}	7260 W

Product Description

KMPS03 is a high efficiency and rugged power supply to keep you running in many tough military and naval applications. It generates well-regulated 22 V output when connected into a nominal 440 V 60 Hz AC input. No neutral wire is required for the power supply to draw nearly sinusoidal current and provide a power factor (PF) close to unity. The PFC stage employs digitally controlled true three-phase PFC topology for high front-end efficiency and high-power quality. An isolated DC/DC converter delivers power to all types of military loads using the state-of-the-art interfacing components. KMPS03 is fully protected against all kinds of faults and disturbances providing reliable operation in the field.



Size: 404 × 391 × 170 mm

Weight: 31±1 kg