

Features & Benefits

- Three Phase AC input
- Rugged Unit for Military Applications
- Input Frequency Range: 57-63 Hz
- Built-in Active PFC Function
- Internal ORing Diode
- IP67 Sealed
- RS422 Communication
- Temperature Sensor
- Input Under Voltage Protection
- Input/Output Over Voltage Protection
- Input Over Current Protection
- Short Circuit Protection
- Over Temperature Protection
- Baseplate 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}	95–135 V_{LL_RMS} (Three-Phase)
V_{IN_NOM}	115 V_{LL_RMS}
V_{OUT}	28 V_{DC} (9 channel)
$I_{OUT_CHANNEL}$	8 A (per channel)
$P_{OUT_CHANNEL}$	220 W (per channel)
P_{OUT_TOTAL}	1980 W

Product Description

KMPS01 is a high efficiency and rugged power supply to keep you running in many tough military and naval applications. It generates well-regulated 28 V DC output when connected into a nominal 115 V_{LL_RMS} 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. KMPS01 is fully protected against all kinds of faults and disturbances providing reliable operation in the field.



Size: 357 × 203 × 138 mm

Weight: 14 ± 0.5 kg