

Part Number & Ordering Information*

| Family | Input Voltage | Power | Output Voltage | Package | Options |
|--------|--------------------------------|--------------|--|--------------|---------|
| KMPS03 | AC3D440: 3-Phase Delta 440 VAC | P7K5: 7.5 kW | DC12: 12 VDC DC15: 15 VDC DC28: 28 VDC DC36: 36 VDC DC48: 48 VDC DC270: 270 VDC | EN: Enclosed | - |

* Full part numbering and options are available in the data sheet. "-" sign shall be placed in between all fields.

Features & Benefits

- Rugged unit for military applications
- Isolated AC/DC Power Supply
- 47-63 Hertz Input Frequency
- True 3-Phase AC Power Factor Correction
- Less than 5% THD of AC Input Current
- Near Unity Power Factor
- Operation without "Neutral Wire"
- Wide Input Range 360-528 VLL_RMS
- Up to 7500 W continuous output
- High Efficiency, High Power Density

Product Description

KMPS03 is a high efficiency and rugged power supply to keep you running in many tough military and naval applications. 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 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.

Designed to Meet

- MIL-STD-461 (D, E, F, G)
- MIL-STD-1399
- MIL-STD-810



Size: 404 x 391 x 170 mm

Weight: 28 kg

Absolute Maximum Ratings

The absolute maximum ratings below are stress ratings only. Operation at or beyond these maximum ratings may cause permanent damage to the device.

| Parameter | Value |
|-----------------------|---------------|
| Operating Temperature | -40 to +50 °C |
| Storage Temperature | -40 to +85 °C |

Screening

- Full LOT traceability
- Optional burn-in testing
- Temperature cycling
- Available with different screening grades
- Final visual inspection