

# Three Phase Delta 440 VAC Input Power Supply & Battery Charger

# KOLT

## Part Number & Ordering Information\*

Family	Input Voltage	Power	Output Voltage	Package	Baseplate
KMBC03	AC3D440: 3-Phase Delta 440 VAC	P1K5: 1.5 kW P2K5: 2.5 kW P3K5: 3.5 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

- 19"/2 form factor, 3U height
- Wide Input Voltage Range: 360-528 VLL\_RMS
- Input Frequency: 47-63 Hz
- Can be configured by the end user as a power supply & battery charger
- True 3-Phase Power Factor Correction
- Operation without "Neutral Wire"
- High efficiency, high power density
- IP67 sealed
- RS-485 communication
- Input UV/OV protection
- Output OV Protection
- Output short-circuit protection
- Over temperature protection
- Charger for Lead-Acid and Li-Ion Batteries
- Droop & Active Current Sharing
- Internal Oring Diode
- Can be used in as N+1 redundant system

## Product Description

KMBC03 is a high efficiency and rugged multifunction 3-phase AC/DC converter unit that can be operated as a power supply unit and a battery charger. It is designed to guarantee high performance in both modes under extreme environmental conditions. It has superior protection features against external faults and disturbances while meeting the major military standards. KOLT's innovative engineering has enabled a compact design of the converter with high power density and performance.

## Designed to Meet

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



Size: 480 x 220 x 132 mm  
(19"/2 form factor, 3U height)

## Absolute Maximum Ratings

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

Parameter	Value
Operating Temperature	-55 to +100 °C
Storage Temperature	-55 to +125 °C

## Screening

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