

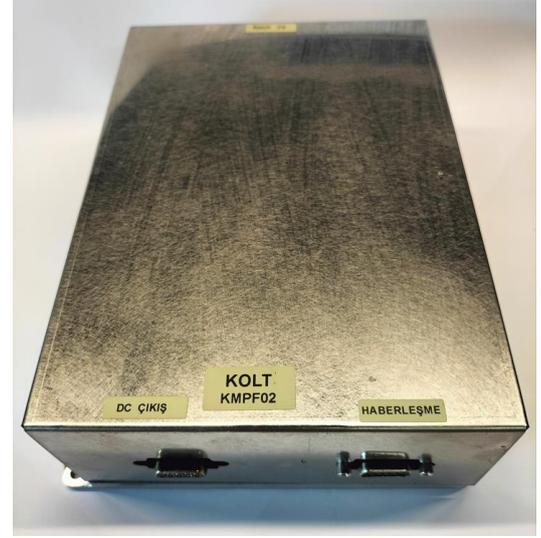
Part Number & Ordering Information*

Family	Input Voltage	Power	Output Voltage	Package	Options
KMPF02	AC3D440: 3-Phase Delta 440 VAC	P2K5: 2.5 kW P3K5: 3.5 kW	DC400: 400 VDC	CM: Custom Module	-

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

Features & Benefits

- True 3-Phase Power Factor Correction
- Operation Without "Neutral Wire"
- Wide Input Voltage Range: 360-528 VLL_RMS
- Internal Input EMI Filter
- Virtually No Inrush Current
- Input Frequency: 47-63 Hz
- Less than 5% THD of AC Input Current
- Power Factor > 0.99
- Non-Isolated Output
- Baseplate Conduction Cooled
- RS-485 Communication
- Auto-Recovery Input UV/OV Protection
- Auto-Recovery Over Temperature Protection
- Input OC Protection



Size: 195 x 131 x 60 mm

Weight: 2 kg

Product Description

KMPF02 is a low profile and compact 3500 W single output non-isolated PFC Module with 3-phase 3-wire, 47-63 Hz, delta input. Module can operate over a wide input voltage range (360-528 VLL_RMS) and generates constant 400 VDC output. KMPF02 draws a nearly sinusoidal current with less than 5% THD and close to unity power factor. It has superior protection features backed by analog comparators that guarantees hassle-free operation. Since the module is cooled via baseplate, it can be used with different cooling applications, including liquid baseplate cooling.

Designed to Meet

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

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	-40 to +85 °C
Storage Temperature	-55 to +125 °C

Screening

- Full LOT traceability
- Burn-in at 85 °C baseplate temperature
- Temperature cycling
- Available with different screening grades
- Final visual inspection