

### Features & Benefits

- True 3-Phase AC input
- Rugged Unit for Military Applications
- High Efficiency, High Power Density
- Wide Input Voltage Range
- Built-in Active PFC Function
- Charger for Lead-Acid Batteries (Flooded, GEL and AGM) and Li-Ion Batteries (Lithium Iron and Lithium Manganese)
- Internal ORing Diode
- Multiple Units in a Redundant or Parallel System
- Droop Current Sharing
- IP67 Sealed
- RS485 Communication
- Temperature Sensor
- Power Good Signal
- Input Under Voltage Protection
- Input/Output Over Voltage Protection
- Input Over Current Protection
- Short Circuit Protection
- Over Temperature Protection
- Reverse Battery Protection
- Two Units can be Mounted in 1U Height 19" Rack
- On/Off Switch
- LED Indicators
- Forced Air Cooled
- Grounding Interface

### Compliance

Module is designed to meet:

- MIL-STD-461G
- MIL-STD-810G
- MIL-STD-1275E

### Typical Applications

- Military/Defense Power Supplies
- Armored Vehicles
- Land Platforms
- Communications and Radar Systems

Product Ratings	
$V_{IN}$	360–528 $V_{LL\_RMS}$ (Three-Phase)
$V_{IN\_NOM}$	440 $V_{LL\_RMS}$
$V_{OUT}$	28 $V_{DC}$
$I_{OUT}$	60 A
$P_{OUT}$	1680 W

### Product Description

KMBC05 is an advanced single-phase AC-DC battery charger unit with active PFC function. It operates in constant current (CC) and constant voltage (CV) modes effectively, providing best-in-class regulation and dynamic performance.

The unit is designed to guarantee high performance under extreme environmental conditions with 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 efficiency.



**Size:** 530 x 215.9 x 44 mm  
**(19" / 2 form factor, 1U height)**

**Weight:** 8 ± 0.5 kg