Military Power Conversion Solutions

- AC/AC Frequency Converters
- AC/DC Power Supplies
- DC/DC Converters
- Battery Chargers
- UPS & PDUs
- DC/AC Inverters
- Power Quality Systems
- Electronic Loads

The New MIL-K Series is a family of Military AC/AC Frequency Converters, AC/DC power supplies, DC/DC converters, Battery chargers, Power Quality systems, Power distribution units, and DC/AC Inverters.

Its robust housing, solid design, high performance, superb reliability as well as the build to order flexibility, makes the MIL-K series the ideal source for use in shelters, vehicles, avionics, radar, Naval and many other open air applications.

We offer a number of options and can optimize or customize for mission and non-mission critical applications.

Features and options:

- Single and three phase inputs
- High voltage DC inputs
- Wide frequency input range of 45-440Hz
- PFC (low THD) inputs
- CARC (Chemical Agent Resistant Coating)
- Digital Meters for output current and voltage
- LEDs (input, output, alarm)
- Black-out switch for LEDs or covers
- Quick connectors for output
- Input breaker switch
- Weep holes for condensation drip or fully sealed unit (up to IP69 rated)
- Mil connectors (standard, bayonet style, other type)
- Alarm outputs (separate connector or on input/output connector)
- Remote control (separate connector or on input/output connector)
- Parallel AC/DC outputs for higher output power requirements

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Military Power Conversion Solutions
(COTS, MOTS, Custom)

Additional Options:

- Auto derating
- Alarms, Control, Monitor (relays, analog signals, CAN/MODBUS, etc...)
- Multiple mechanical configurations (Modules, Wall-mount, 19” rack/subrack, etc...)
- Front panel pots, control output voltage, current limit
- N+1/Parallel
- DC+AC inputs
- AC+DC outputs
- Static Switch (input grid sync)
- Battery charging functions (B series)
- Input inrush limiting
- Optimized input/output ranges
- Optimized input hysteresis limits
- Input latching
- Input reverse polarity protection
- Remote Enable/disable
- Input/output breakers
- Analog and Digital meters
- Conformal coating
- Increased mechanical strength
- Output voltage taps
- Extended ride-through
- Single phase or multi-phase
- Low & high IP rated
- Air and liquid cooled
- Pigtails vs connectors vs terminal blocks vs MIL connectors
- EN61000 Class B (Class A Standard)

Specific units are designed to meet the following Mil-Standards – please contact Schaefer for additional information.

- MIL-STD-461 (CE, CS, RE, and RS)
- MIL-STD-1399-300A/B
- MIL-STD-1332B
- MIL-STD-704
- MIL-STD-1275
- MIL-STD-810
- MIL-STD-901
- MIL-STD-167
- MIL-STD-202
- MIL-STD-740
- Also:
  - UL1950, CSA, CE, etc