

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



MIL-K Series (Military COTS / MOTS / Custom)

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



SCHAEFER
Robust - Reliable Power Solutions

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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 design 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



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