

### **30-kW COTS Military Power Inverters Target Harsh Environments**

[Schaefer's](#) MIL-K series of MIL-COTS inverters for military applications feature robust and ruggedized designs, which allows for high performance, high reliability and build-to-order flexibility. The MIL-K series is well suited for use in shelters, vehicles, avionics, radar, naval and many other open-air applications (see the figure).

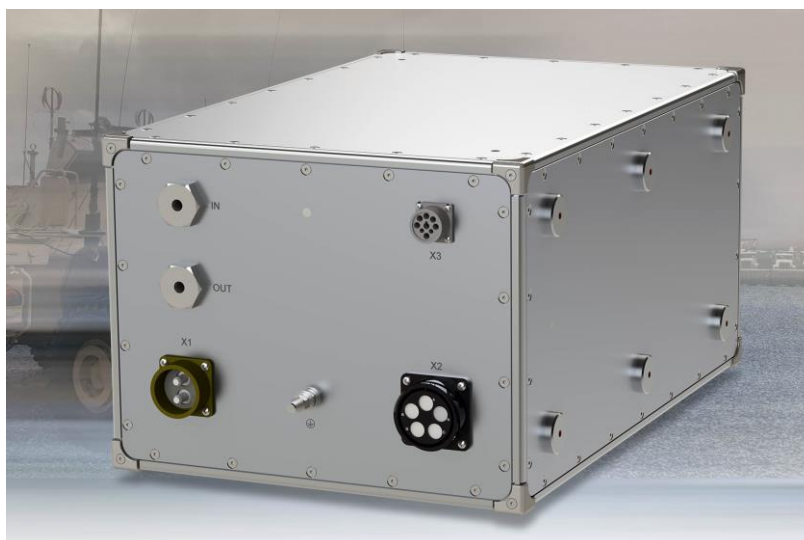
Based on three-level technology, these highly efficient (93%) COTS inverters offer a 360-Vdc to 750-Vdc input range (600 Vdc nominal) and generate 208-Vac/120-Vac three-phase (30-kW/37.5-kVA) 60-Hz output voltages. Series options include low and high IP ratings (IP69), liquid cooling (up to 65°C) and air cooling, isolated and non-isolated versions, ac and dc inputs, parallel (N+1) redundancy, high output power and more.

Specific units are designed to meet the following MIL standards:

- 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.

The MIL-K series also meets CAN (J1939), UL 60950 and UL 1950 CSA, CE standards.

Schaefer offers a number of options and can optimize or customize for mission and non-mission critical applications. Full product specifications can be viewed at the [website](#).



*Figure. Featuring robust and ruggedized designs, the MIL-K series MIL-COTS inverters for military applications generate 208-Vac/120-Vac three-phase (30-kW/37.5-kVA) 60-Hz output, while operating from a 360-Vdc to 750-Vdc input range (600 Vdc nominal).*