



## Outline Specification – 610 Series Military Inverter

Versions         PM Generator interface (additional DC-side filtering and engine start capability) High ambient, normal ambient           Package         Inverter on AV mounting platform (344mm x 320mm x 161mm) Single face installation and removal           Functions         Motor drive or generator inverter, both 4 quadrant Three-phase PWM output Sophisticated control algorithms Resolver feedback           Rating         Up to 610V DC link voltage (nominal) Up to 50kW continuous in 100°C ambient @ 610V DC voltage Up to 50kW continuous in 00°C ambient @ 610V DC voltage           Control         Torque/speed control as a motor drive Voltage control as a generator with real-time load share control of parallel units Real-time parameter update           Status outputs         Actual torque, RPM, machine angle Actual DC Link voltage and current Operational state           Status outputs         Actual torque, RPM, machine angle Actual DC Link voltage and current Operational state           Status outputs         CAN           CAN         Status DC positive and negative rail voltages to chassis Hardware status Extended data sets on demand Separate diagnostic CAN           Cantrol         CAN Hardware enable Dual status lines         CAN Hardware enable Dual status lines           Interface to higher-level controller         CAN Hardware enable Dual status lines         CAN Hardware enable Dual status lines           Interface to electrical machine         CaN         Can Extended data sets on demand Separate         Sephases Resolver           Bab		PM Motor drive
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	Connectors	D38999 Series 3
Excel macros to plot logged data	Support	
		Excel macros to plot logged data