



The Advanced Digital Control System (AdvDCS) with MLD features connections for network, remote and parallel applications

Advanced Digital Control System for every mission

Featuring Masterless Load Demand for improved system-level reliability and reduced fuel consumption

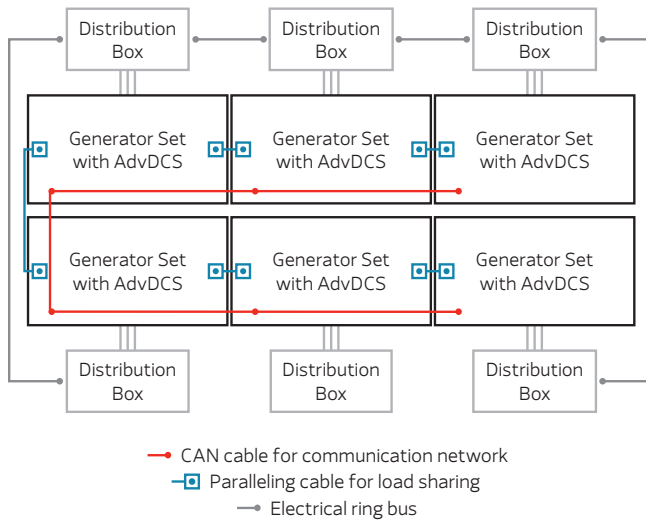
The Advanced Digital Control System (AdvDCS) with Masterless Load Demand (MLD) provides more capability and flexibility than the standard DCS. The AdvDCS makes it possible to create a microgrid of paralleled Cummins tactical generators without any external control devices.

- The MLD automatically switches the generators on and off as needed, according to either a fixed or programmable priority, without requiring an external master controller
- When the AdvDCS is not in MLD AUTO mode, the control can also be used for remote control applications, starting and stopping the generator sets in response to commands communicated via the Controller Area Network (CAN) interface
- The AdvDCS is capable of interfacing with external, microprocessor-controlled equipment, enabling integration with alternative and hybrid solutions, including solar panels and battery systems
- Meets MIL standards 461 and 810



NETWORK

This schematic shows a typical microgrid application. The AdvDCS can handle up to six 30kW or 60kW 50/60Hz Cummins tactical generator sets.



CUMMINS TACTICAL MICROGRID NETWORKING KIT

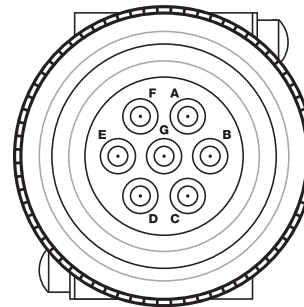
The AdvDCS is available in a kit for microgrid networking applications. Including:

- Digital Control System control panel
- 7-pin MIL-STD connector cable
- CD with InPower
- Remote Monitoring Tool

Kit components are sized to retrofit to existing Cummins tactical generator sets.

J1939 CAN

All connections are made with a fully terminated (120 ohms at both ends) cable that meets the SAE J1939 standards. Connections to the Control Box use the 7 pin connection labeled NETWORK, with a 7 pin MIL-STD connector MS3106F162-1P.



SAE J1936 standard connections are made as shown here.

Function	AMMPS
CAN Hi	E
CAN Lo	D
Shield	C

For more information on the Cummins Advanced Digital Control System and the Microgrid Networking Kit, contact:

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