

MECHRON



Cold Start Trailer Mounted Generator Sets For Sierra Technologies

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One example of Mechron's mobile custom generator sets is the 15 kW HMMVW-compatible trailer-mounted unit supplied to Sierra Technologies. Over and above the normal requirements for trailer-mounted generator sets, these units were designed to operate in extreme cold environments and provide complete remote operation.

One of the more stringent requirements was the need for the generator set to start at -40°C and accept load within 15 minutes. This requirement was particularly difficult because the requirements did not allow parasitic loads while not in operation.

In addition, the generator set is equipped with an advanced autostart control system, complete with alarms, fault shutdowns and remote control and monitoring via microwave link. The generator set is completely self-contained, but has provisions for external fuel sources.

