



Courtesy: XANTREX

The Xantrex Freedom X and XC come with a display panel that can be mounted in the sleeper. It shows the AC and battery current, plus has a status bar displaying the percent of inverter output.

Xantrex introduces new Freedom X sine wave inverter with optional battery charger

THE TRUCKER STAFF

BURNABY, British Columbia — Xantrex, a supplier of inverters and inverter chargers to the trucking industry, has introduced a new product line.

The Freedom X sine wave inverter, available in 1,000- and 2,000-watt units, with an optional built-in 3-stage battery charger (Freedom XC), brings more surge power and precise electrical power in a rugged package, designed for the trucking industry, according to Mitul Chandrani, senior marketing manager for Xantrex business at Schneider Electric.

The Freedom X inverters feature 2X surge power for up to two seconds for motor loads. “That’s a big advancement for high-frequency sine wave inverters, and a welcome sight for truckers who want to use power tools and other initial high-draw devices,” Chandrani said. “Other sine wave inverters might get up to a half second in surge power, and can’t handle the surge — it will shut down the inverter. Our Freedom X performs when others can’t.”

The Freedom X converts DC power into the “cleanest” AC power available, Chandrani said. “Sine wave is the same power as you get at home — meaning the voltage is consistent without spikes or drops,” Chandrani said.

“That makes the Freedom X a great choice when operating sensitive medical machines, such as CPAP, and induction devices such as microwave ovens or appliances that use magnets or transformers.”

While the Xantrex Freedom X works in unison with traditional batteries, it is also designed to work with and recharge Lithium-ion batteries.

According to Chandrani, the Freedom X, like its predecessors — the Freedom HF and HFS — can charge dead batteries drained to 0 volts. The new inverters can be quickly installed, and will provide full output in temperatures ranging from -4 degrees to 104 degrees Fahrenheit.

The Freedom X also has the fastest AC transfer time in its class. “When the truck is plugged into shore power, our inverter quickly senses the change in the power source and transfers the load virtually uninterrupted,” Chandrani said. “Lessor quality inverters, with slow transfer times, can see devices ‘shut down’ when a power transfer happens.”

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