

# Victron Energy to provide E motion DC-DC converter



An example of a boat with E motion: the Earthling 57' cat.

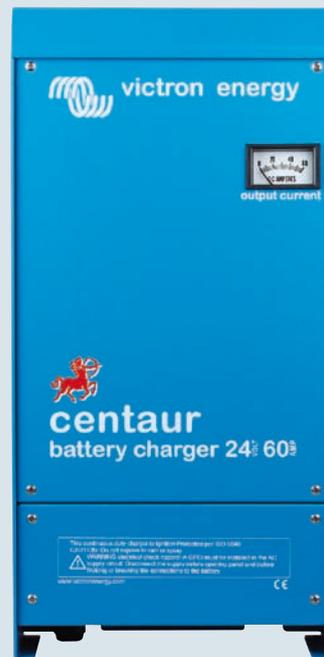


E motion developer Dave Tether (r.) and technical writer Nigel Calder (l.) talking on board of a boat with E motion.



The Dix Harvey DH 550 Cat with E motion.

## Ft. Myers Beach, FL. Victron Energy BV from The Netherlands will provide an advanced DC-DC voltage converter for the E motion Hybrids propulsion system.



The new converter is an extension of Victron's Centaur line of battery chargers. It reduces 144 VDC power from the E motion main battery pack to 12 volt or other low-voltage DC output for recharging house-power batteries.

Also under development at Victron for the E motion system is a solar panel "up-converter." It will allow boats equipped with panels ranging from 12-48 volts to recharge the E motion 144 VDC battery pack from solar power. Currently, boats must have solar panels producing 144 volts, i.e., a dozen 12

volt panels, to recharge the E motion main battery pack. The new up-converter is expected to be available early next year.

Electric Marine Propulsion dba E motion Hybrids, will be a US distributor of the Centaur-based DC-DC converter. The distribution agreement was reached at the IBEX 2007 Boatbuilders' Exhibition and Conference in Miami Beach, where Victron Energy had a successful show with its own booth for the first time. Victron's representative at IBEX 2007 was VE.Net product manager, Matthijs Vader from The Netherlands.

The Centaur-based DC-DC converter for E motion Hybrids provides three separate, isolated, lower-voltage outputs for charging three lower-voltage battery banks simultaneously. Each output can carry full rated current.

The DC-DC converter incorporates Centaur's ability to provide three consecutive charging regimes: bulk, absorption and float. It charges at bulk rate until output has dropped to 70% of rated amps, then switches to a constant-level absorption mode for four hours, followed by a low-level float rate.