



### **Versatile inverter/charger for mobile-power applications**

New from Lincoln-based Vxl Power is the versatile Studer Compact series of inverter/chargers, which combine the functions of a sine-wave inverter, a battery charger and an automatic transfer system to manage the available power.

Providing reliable and silent operation, the inverter/charger is designed to convert the DC output from a 12V, 24V or 48V battery into an AC supply for use in a wide variety of mobile-power applications.

And, when connected to a mains supply or generator, the Studer Compact unit automatically switches into battery-charging mode, while still supplying AC power to any electrical appliance plugged into the output socket. If fitted with an optional solar charge controller, the unit can even charge the battery using the DC output from a solar panel.

Available in three different models offering output powers ranging from 1600VA to 4000VA, the Studer Compact delivers an output voltage of 230VAC at 50Hz with a high maximum efficiency of 95%.

The unit features a four-stage battery charger with power factor correction and a typical charging current of 55A, while the use of a fast transfer relay enables a switchover time of less than 20ms to be achieved.

Providing fully programmable operation, the Studer Compact can be set up to suit individual requirements - for example, responding to parameters such as battery levels, alarm conditions or the presence of mains power.

All models incorporate built-in protection against overloads, short circuits, reverse polarity and overheating and have an operating temperature range of -20 to +55degC.

Manufactured using Pb-free components, the Studer Compact is RoHS compliant and meets the requirements of all relevant European standards, including ECE-R 10 (E24) certification.

A detailed datasheet on the Studer Compact series can be found at [www.vxipower.com](http://www.vxipower.com).

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