



Versatile inverter/charger for solar-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.

Designed to provide reliable and silent operation, the inverter/charger converts the DC output from a 12V, 24V or 48V battery into an AC supply and also incorporates a special four-step solar charge controller to enable the battery to be charged from the DC output of 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 or alarm conditions.

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.

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