

# SKYTRONIC



Invertor Softstart

**651.632 / 752**

Instruction Manual

Gebruiksaanwijzing

Manuel d'Utilisation

Bedienungsanleitung

Brugsanvisning



## **Instructions for use of the SkyTronic 230V inverters**

The SkyTronic range of inverters transform 12/24V battery voltage into 230V mains voltage, thus enabling you to use your domestic equipment everywhere you want e.g. on camping, on a boat, in your car, etc. The regulated output voltage makes the inverters suitable for use with sensitive devices such as TV sets, video and audio devices, PCs or laptops and many more.

## **General features of SkyTronic inverters**

- \* High performance at low heat production
- \* 50Hz stable output frequency
- \* Regulated 230V output voltage
- \* Protection against short circuit and overheating
- \* With SkyTronic battery protection system. If the battery voltage drops to 10.5V (21V for 24V batteries) the inverter emits an alarm signal. If the battery voltage drops even further, the inverter shuts off automatically. This advanced protection system avoids to over discharge the battery.

## **WARNING**

SkyTronic inverters supply an output voltage of 230V which is as dangerous as the domestic mains voltage! Therefore only use double-insulated devices and replace immediately leads that are in bad condition. Don't expose the inverters to humidity and place them in a well ventilated area. The inverters with an earth connector can be connected to a grounding point such as a metal part of a boat or the car chassis. Important!

Under full load, high current is flowing through the battery cables. Therefore it is recommended to use only the supplied cables and no extension cables in order to avoid unacceptable voltage losses. If necessary, use an extension cord in the 230V circuit to the connected unit. To comply with the legal standards, the inverter may only be used with the supplied low voltage cables. Do NOT extend them.

## **On/off switch**

Connect the inverter to the battery (red is positive, black is negative). Make sure that all connections are of good quality. First switch on the inverter and afterwards the unit to be powered. Switch off in reverse order.

## **Thermal protection**

All SkyTronic inverters are protected against thermal overload. If the temperature of the inverter rises above 55°C, the protection circuit is automatically activated and the unit is switched off. First switch off the connected unit and then the inverter. Let the units cool down before you switch them on again. Check if the cooling fan is not obstructed and make sure that there is sufficient air flow around the unit.

## **Specific features of SkyTronic inverters**

These inverters offer a continuous output power of 600W and accept short overloads of up to 125%. The battery lead with clips contains a fuse that can easily be replaced. Don't obstruct the built-in cooling fan.

A short overload of approximately 25% above the rating is allowed. Under full load a very high current is drawn from the battery. The connected battery must therefore be in very good condition and always fully charged. During recharging, the inverter must NOT be switched on in order to avoid damage by a too high battery voltage.

## **Specifications**

	12 V (651.632 / 651.752)
Continuous power: .....	600W max.
Peak power: .....	1800W max.
Output voltage: .....	12 V / 230 VAC
AC frequency: .....	50 Hz (±1%)
Efficiency: .....	90%
Stability: .....	±10%
Dimensions: .....	242 x 91 x 58 mm
Weight: .....	1.7 kg