150W SoftStart Invertors

SSI620 / SSI623

Instruction Manual

CAUTION: Risk of electric shock. Do not open
LET OP: Niet openen. Gevaar voor electrische schok
ATTENTION : Risque d'électrocution. Ne pas ouvrir
ACHTUNG: Stromschlaggefahr. Nicht Öffnen
ADVARSEL: Må ikke åbnes. Risiko for elektrisk chok

Do not expose to rain / moisture
Niet in vochtige ruimtes gebruiken
Tenir à l'abri de la pluie et de l'humidité
Vor Regen und Feuchtigkeit schützen
Må ikke anvendes i våde/fugtige omgivelser

ENGLISH VERSION

Instructions for use of the SoftStart 230V inverters

The SoftStart 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 SoftStart inverters

* High performance at low heat production
* 50Hz stable output frequency
* regulated 230V output voltage
* Protection against short circuit and overheating
* With battery protection system. If the battery voltage drops to 10.5V (21V for 24V batteries) the SoftStart 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

SoftStart 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 SoftStart 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 SoftStart inverters

12V model with 150W output power (SSI620)

This inverter can be connected to the car via the cigarette lighter plug. The cigarette lighter socket in the car must have a fuse of at least 15Amps. Please check the manual that comes with your car about this. The plug of the inverter also contains a fuse that can easily be changed by unscrewing the front of the plug. The inverted is protected against short peaks up to 200W.

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. After some time of use, it might be necessary to start the engine of the car or the boat in order to recharge the battery. During this process, the inverter must NOT be switched on in order to avoid damage by a too high battery voltage.

Specifications	**12 V (SSI620)**	**24 V (SSI623)**
Continuous power	150W max.	150W max.
Peak power	450W max.	450W max.
Output voltage	12 V / 230 VAC	24V / 230 VAC
AC frequency	50Hz (±1%)	50Hz (±1%)
Efficiency	90%	90%
Stability	±10%	±10%
Dimensions	165 x 91 x 58 mm	165 x 91 x 58 mm
Weight	850 g	850 g