VOTRONIC

Installation and Operating Manual

StandBy Charger 12 V — No. 3065
StandBy Charger 24 V — No. 6065

Please read this operating and installation manual thoroughly prior to connection and start-up.

The VOTRONIC StandBy Charger serves for automatic recharging and trickle charge of the starter battery in vehicles with two battery circuits. It will be installed between supply battery or body battery and consumer.

Installation:

The StandBy Charger should be installed as close as possible to the batteries, and it should be protected from humidity.

Connection:

ALWAYS DISCONNECT THE POWER SUPPLY TO THE BATTERY PRIOR TO WORKING ON THE ELECTRIC SYSTEM TO AVOID SHORT-CIRCUITS !

The unit is simply connected to the positive poles (+) of board and starter battery. The cross section of the connection cables should be 1.5 mm² to 2.5 mm², and they should be laid in conformance with the safety regulations (see remarks). Now the solar StandBy-Charger is ready for operation.

Functioning:

If the board battery or supply battery is charged by a mains supply charger, solar system or wind-driven or petrol-driven generator, simultaneous charging of the starter battery is max. 2 A. Trickle charge is effected automatically and can be recognized by an increased voltage of the starter battery. In case of unloaded batteries, the voltage of the starter battery is only by 0.7 V lower than the voltage of the board battery. Charging control is not required.

NOTE: Proper operation requires that the minus connections of the batteries are connected to each other, or that they have the same potential.

Operating Instructions:

Battery lifetime:
The lifetime of the battery can be extended considerably by means of the StandBy Charger. In order to achieve that, the following general rules must be observed:

In contrast to other battery types, batteries on lead basis **do not have any** harmful memory effect. Consequently: In case of doubt, partially discharged batteries are to be charged fully by a mains supply charger as soon as possible.

Store only fully charged batteries and recharge them periodically, particularly in case of used (older) batteries and higher temperatures. Sulphation of the battery plates due to total discharge is to be prevented by immediate charging by a mains supply charger, particularly in case of low and high ambient temperatures.
Observe the instructions and technical leaflets of the battery manufacturer.
Keep batteries cool; choose an appropriate location for installation.

Technical Data:

Nominal Operating Voltage DC:	12 V or 24 V (lead battery)
Charging Current:	0 – 2 A
Battery Types:	suitable for any type of lead battery with nominal voltage 12 V or 24 V
Fitting Position of Unit:	any
Temperature Range Storage:	-25/+60 °C
Working Temperature Range:	-20/+40 °C
Protection Class:	IP20
Dimensions (mm):	90 x 60 x 38 mm
Weight:	52 g
Ambient Conditions, Humidity of Air:	max. 95 % RH, no condensation