

JAPLAR / SCHAUER

User Manual for 20Amp Battery Charger

Read these installation and operating instructions through before connecting and using the battery charger.

Ⓞ **TURN THE BATTERY CHARGER SWITCH TO THE OFF POSITION BEFORE CONNECTING OR DISCONNECTING THE BATTERY CHARGER TO THE BATTERIES.**

- ※ If the battery charger shuts off before the battery is completely charged, you should check the batteries for a shorted cell or to see if the batteries are too old to hold a charge. You should wait three to four hours (only after you have determined the batteries are in good condition) then turn the charger off and turn it back on. The charger will start charging again. Be sure to let the batteries and the battery charger cool down before turning the charger off and back on again. If you don't let the charger and batteries cool down, you could boil the batteries. If the batteries have a shorted cell or are too old to hold a charge you should not turn the battery chargers on again. You must replace the batteries.
- ※ If the dc cable with this charger has only two wires, connect the positive lead to the positive terminal and the negative lead to the negative terminal before turn on the charger.
- ※ If the dc cable has three wires do as above and plug the third wire into the panel of the charger before turning on the charger.
- ※ Before connecting the battery charger to the battery, you should turn the charger off. Before disconnecting the battery charger from the battery you should turn the charger off.
- If you leave the Battery Charger turn on, you should check the battery and charger each day.
- Information for using the installation instructions
 - Warning! Failure to observe this warning may result in damage to equipment.
 - Caution! Failure to observe this warning may result in damage to equipment & improper functioning of the battery charger.
- When mounting the charger in an enclosed housing be sure to have proper ventilation so that the charger can get adequate air flow.
- General safety and installation information
 - Warning !! The following fundamental safety measures must be observed when using electrical equipment to avoid the danger of : • Electric Shocks • Fire • Injury
- About the unit itself
 - The battery charger must only be used for the purpose specified by the manufacturer.
 - Do not operate the battery charger if the housing or cable was damaged!
 - The battery charger must be positioned and secured in such a way that can not fall over or down! The connector cable from the battery charger must be plugged into earth outlet only.
 - The battery charger must be kept in safe place out of the reach of children
 - Ensure good ventilation.
 - The battery charger must not be operated in a damp or wet environment!
 - A qualified person who familiar with the risks involved & the relevant regulations must only carry out servicing and repair.
- Caution, by installation on boats !
 - Wrong installation of electrical units on a boat can lead to corrosion of the boat. Therefore, please let a (boat) electrician carry out the installation of the charger.
- About the cables
 - If cables have to be inserted through metal walls or other sharp edged Materials, use a cable duct or cable bushed !
 - Do not lay cables loose or with sharp bends on electrically conductive materials (metal) !
 - Do not lay AC INPUT main cable and DC OUTPUT cable together in the same cable duct !
 - Lay cable in such a way that no one can trip over them !
 - The specified minimum cable cross-section must be complied with !
 - Secure cables properly !
 - Lay cables in such a way that they are not exposed to the risk of damage !
 - Do not pull the cables !

