

Schauer

Battery Chargers

Battery Maintainer

Models: JAC0336MAN, 36 volt

JAC0348MAN, 48 Volt

PLEASE READ before using Maintainer. The term *battery* will be used to reference a single battery or multiple battery pack; wired in series or parallel. Contact Schauer Chargers with any questions prior to operation.

IMPORTANT! Reverse polarity connection will blow output fuse and may permanently damage maintainer circuitry. Take care to correctly connect battery clips to proper battery terminals – Red Positive clamp to first battery in series Positive post and Black Negative clamp to last battery in series Negative post.

Incorrect connection not across complete battery pack will cause *battery* over voltage on connected batteries and may cause damage, fire or explosion.

This unit is a battery *maintainer* (max. 2.5 amps), not a battery charger. This maintainer will keep a fully charged *battery* at a proper maintenance charge voltage; it will not charge a large capacity (golf cart) discharged *battery*.

Caution! Safety precautions must be observed to avoid injury, electrical shock and/or fire!

- ❖ For use with 120 Volts AC mains electrical service: USA, Canada. (not 240 VAC compatible)
- ❖ Always check for proper water level in *battery* prior to maintaining
- ❖ Be sure your *battery* is not drawing any load from equipment or instruments while you are maintaining.
- ❖ Before connecting or disconnecting maintainer to *battery*, turn power switch off and unplug from AC outlet
- ❖ Maintainer must be plugged into a grounded AC outlet
- ❖ Maintainer must be operated in an environment with proper ventilation
- ❖ Maintainer must not be operated in a damp or wet environment
- ❖ Do not use maintainer on 10 Ah or smaller *battery*

Caution! A battery charger should not be connected or operating while maintainer is in use.

Connection sequence:

- 1) Attach positive (Red) battery clip to Positive post of first battery in series
- 2) Attach Negative (Black) battery clip to Negative post of last battery in series
- 3) Plug maintainer into AC power

4) Turn maintainer power switch on

Since maintainer is connected directly to the battery Pos./Neg. post, a golf cart may be put in "tow" mode to avoid any load on the batteries while in maintenance.

You may leave this maintainer on a good condition *battery* for months at a time and it will not overcharge your *battery*. This maintainer is set to a single maintenance voltage. If AC power is interrupted, the maintainer will turn itself back on when AC power is restored.

Caution! Maintainer operation and *battery* condition should be checked routinely whenever connected.

LED Maintainer Indicator Lights:

LED 1 (Left): Red – AC power connected, Power switch On

LED 2 (Right): Off – Battery not connected / Fuse Blown

LED 2 (Right): Yellow – DC output voltage / High current 2.5– 0.5 amps

LED 2 (Right): Green – DC output voltage / Low current ≤ 0.5 amps

Dual Speed Cooling Fan:

Fan: Fast

Fan: Off

Caution! This maintainer is intended for use with Lead Acid type *battery* only. Use with any other type of *battery*, Lithium, Nickel-cadmium or non-chargeable, may cause damage or explosion.

Caution! If the maintainer is not providing DC output voltage (Yellow or Green LED)

- Check all physical wire connections, AC and DC
- Check AC power supply
- Check for a bad battery or shorted battery cell
- Check DC output fuse under twist cap on front panel for continuity are damage. Use correct replacement fuse; glass tube, fast acting, 5mm x 20mm, 4 Amp, 250 Volt.

Caution! Aged *battery* or a *battery* with a shorted cell may not be able to hold a proper maintenance charge voltage. If Yellow LED does not turn to Green within 24 hours, discontinue use of maintainer; have the *battery* checked.

Care of operation:

- Battery maintainer must only be used for the purpose specified by the manufacturer.
- Do not operate the battery maintainer if housing or cables are damaged.
- Lay cables in such a way they are not in risk of damage or tripping.
- Position maintainer on secure surface to avoid falling over, keep out of reach of children.

Incorrect installation of electrical units on a boat may cause corrosion, let a (boat) electrician carry out installation of maintainer.

A qualified person familiar with the risks involved and relevant regulation must perform service or repair.

Schauer Battery Chargers

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Limited Warranty

[This warranty is extended only to original end user retail purchasers.]

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3. To obtain warranty repairs, the Product should be carefully packaged and delivered, postage or delivery charges prepaid, to Schauer Battery Charges, 3210 Wasson Rd. Cincinnati, Ohio 45209, or to a Schauer authorized repair station. If the Product is within the coverage of this limited warranty, and the Product is replaced or repaired, the Product will be returned to End User at Schauer's expense.
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