



# APPLE ENERGY PVT. LTD.

MIDTRONICS



## STANDARD OPERATING PROCEDURE FOR GREEN POWER CHARGER (GP-AXA 2)



### SAFETY NOTES

- ❖ It is advisable that an appropriate area be selected and designated for charging.
- ❖ A wash station should be supplied at all charging stations as there is always a risk of acid splashes.
- ❖ Select a well ventilated area for charging. Ensure that the charging area is clean and tidy.
- ❖ There is a possibility of the terminals being short circuited.
- ❖ Remove filler caps and top up with distilled water if required.
- ❖ Replace filler caps loosely.
- ❖ Clean battery terminals.
- ❖ Ensure correct voltage is selected.
- ❖ Switch off the charger before disconnecting/connecting battery.
- ❖ Do not connect reverse polarity to the battery.

### OPERATING PROCEDURE

**Step 1:** - Connect input AC power of the charger to input supply at the workshop.

**Step 2:** - Connect the Red cable to positive and Black cable to negative terminals of the charger.

**Step 3:** - Connect the Red clamp to the positive terminal and Black clamp to the negative terminals of the battery.

**Step 4:** - Switch **ON** the power button from back side of the charger, the display will start. The charger will indicate “**AC OK WAIT**”.

**Step 5:** - Together press **Enter** & **Amp** button for 4- 5sec, charger will switch to setting mode & will flash the Amp and voltage in LCD.

**Step 6:** - Press ‘**V**’ button to change the system voltage i.e. for one battery 12 V and for two batteries 24V.

**Step 7:** - Press **Amp** button to change the Ampere setting depending on the capacity of the battery.

**Step 8:** - Press **Enter** to complete the setting and the charging process will start.

Indications in the LCD appearing are: -

<b>SYS 12</b>	<b>12.0V</b>
<b>STG 1</b>	<b>8.00A</b>

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**Step 9:** - Switch off the charger when **Charge Finish** is displayed on the screen.

**Note 1:** -Battery will go to float/sleep mode after the charge finish is indicated.

**2:-** For connecting 2 nos. of batteries (24V system), please connect the batteries in series.

## *Symptoms & Precautions*

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### **Charger not starting: -**

- Check the fuse at the back side of the charger. Use same rating (10A, 250V)
- Check input supply.( >120V)
- Check if the proper Earthing is available.

### **“Check Connection Polarity”**

- Check if the correct polarity is connected (Red cable to +ve & Black cable to –ve)
- Check if the battery is below 5 V.
- Check if the battery is damaged/shorted.
- Check if the parameters are set correctly as per the connection.

**Note:** - Please select the AMP (Current) setting for the particular battery depending on the capacity of batteries recommended by manufacturers.

The charger has the following current setting available for the batteries.

- 2 Amps: - 35 Ah and less
- 4 Amps: - 45Ah to 55 Ah
- 6 Amps: - 60 Ah to 75 Ah
- 8 Amps: - 80 Ah and more.

### *For Service Complaints: -*

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