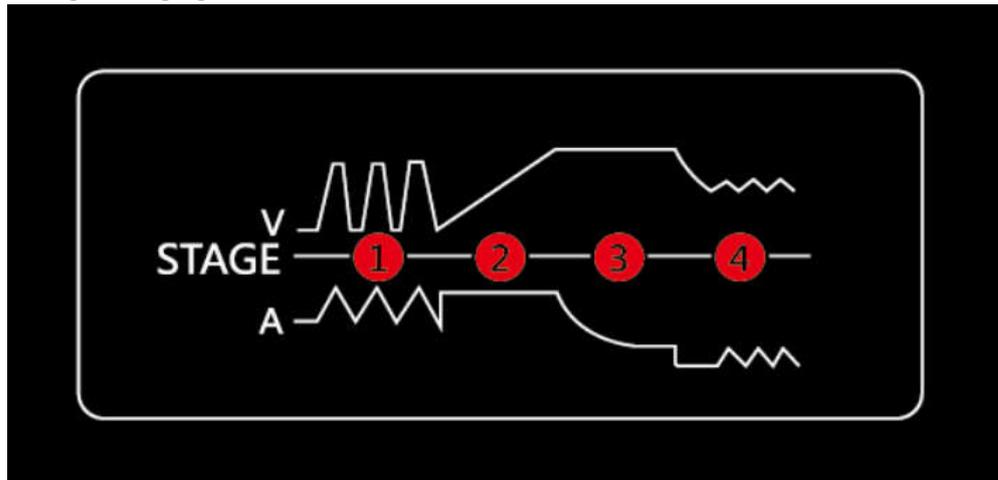**AstroAI A1500 6V&12V 1.5AMP Automatic Battery Charger/Maintainer Manual**

Thank you for purchasing the A1500 Battery Charger/Maintainer from AstroAI. This Battery Charger/Maintainer is a 4 stages smart battery charger by Microprocessor controlled with switch mode for 6V and 12V selectable output .it is ideal for charging your CAR, MOTORCYCLE AND RIDE-ON TOY batteries, suitable for type of batteries including AGM GEL VRLA SLA WET and deep-cycle. For optimal performance and safety, please read and follow all of the instructions below before operating the device. Please keep this manual for future reference. We hope you enjoy your new Battery Charger/Maintainer!

4-Stage Charging Process

Stage 1: Initialization, when the charger is power on, it starts self-check and detects the battery correct connection. When output voltage is low without battery, the **Fault LED is lighting, please MAKE SURE THE POLARITY IS CORRECT.**

Stage 2: Bulk charge, using the charger's highest rated current for the type of battery in use until it reaches the capacity at 80%. **(LEDs 50% Blinking ,100% OFF)**

Stage 3: Absorption, the output voltage is limited to 7.3V (6V battery) or 14.5V (12V battery) while current declines as the battery charges to its full capacity without overheating **(LEDs 50% ON ,100% Blinking)**

Stage 4: Float, At this stage, the battery is fully charged and the charger maintains the power through pulse charging **(LEDs 50% ON ,100% ON)**

LED Status:

LED	Indication	Status
6V	Light On	For 6V Battery
12V	Light On	For 12V Battery
Mode	Press	6V/12V Battery
⚠	Light On	Fault
🔋	Flashing	0-50% Charging
🔋	Light On	50% Battery
🔋	Flashing	50-100% Charging
🔋	Light On	Full

Specification:

Input: 100-240VAC@50/60Hz   0.5rms
Output: DC 6.9V@ 1.5Amp
                            DC 13.8V@1.5Amp
Limited voltage: 7.2~7.3V or 14.5~14.7V
Float current: 300mA~400mA
Charging mode: Fully automatic
Suitable battery: 6V or 12V AGM GEL VRLA SLA WET
Charging Battery: 6-12Ah
Maintaining Battery: 4-36Ah
Cover size: 140X82X82mm
Safety: EN60950-1 EN60335
EMC: EN55022
Approved: CE RoHS

How To Use:

1. Plug in the charger to AC socket, all the lamp will be flashing sequentially then solid "12V" LED ON.

2. Press"MODE" button to set device voltage, make sure battery's voltage is consistent with the voltage of the device. "12V " defaults. If you need 6V, please press MODE to choose voltage before connecting to the battery. Choose voltage is unavailable during charging process.

3. Connect positive charger clip (red) to positive battery terminal, the black clip to negative (You can use other dc plugs to connect battery), the " 🔋 "lamps will light on. If the battery polarity is reversed or output is shorted, the " ⚠ "amps will light on. please check the setup.

4. The " 🔋 " lamps will light on, the battery is fully charged and maintains the power. You can power off the charger and disconnect the battery or you can charge a new battery if you need.

Warning:

1. Before charging, make sure the battery's voltage is consistent with the device's voltage.

2. This charger is designed for charging AGM, GEL, Flooded(Wet), Calium type deep cycle, VRLA maintenance free lead acid batteries from 4 to 36Ah,Do not use for any other purpose.

3. Since batteries may emit explosive gases, please always provide good ventilation and avoid any source of flames or sparks when charging.

4. To reduce risk of damage to electric plug and cord, please pull by the plug rather than the cord when disconnecting charger.

5. Any usage of improper extension cords could result in a risk of fire and electric shock.

6. Do not operate charging if you notice any signs of damage to charger or cords.

7. Do not disassemble the charger; Take it to a qualified serviceman when repair service is required. Incorrect reassembly may result in a risk of electrical shock or fire.

8. To reduce risk of electric shock, please unplug charger from AC outlet before attempting any maintenance or cleaning.

1 Year Warranty From AstroAI

Each AstroAI A1500 Battery Charger/Maintainer will be free from defects in material and workmanship. This warranty does not cover fuses, disposable batteries and damages from neglect, misusage, contamination, alteration, accident, or abnormal conditions of operation or handling such as overvoltage failures caused by using outside the Battery Charger/Maintainer's specified rating, or normal wear and tear of mechanical components. This warranty covers the original purchaser only and is not transferable.

Questions or Concerns? We're happy to help!
support@astroAI.com