



Blue 24 Aviation
AUTOMATIC BATTERY CHARGER

PN: A2405 / OUTPUT: 24VDC, 5AMP / INPUT: 100-240VAC, 50-60Hz, 3AMP
AUTOMATIC SENSING

USER MANUAL

SAFETY FIRST: PLEASE READ USER MANUAL IN ITS ENTIRITY, PAYING SPECIAL ATTENTION TO ALL CAUTION AND WARNING STATEMENTS

CAUTION AND WARNING!

- For internal use only. Batteries emit flammable gas during charging – to avoid serious injury use only in dry well-ventilated area.
- Avoid exposure to heat.
- For use on rechargeable lead acid batteries only, including; conventional, maintenance free, deep cycle, gelled-type, and valve regulated batteries.
- Not intended for use as a DC power supply.
- Beware of correct polarity when connecting charger.
- Do not block or obstruct cooling fan or vents during operation.
- Outer case may be warm to the touch during operation.
- The charger comes with a 2 year replacement warranty. However, damage due to neglect or misuse will not be included in the warranty coverage.

DESCRIPTION & SPECIFICATIONS

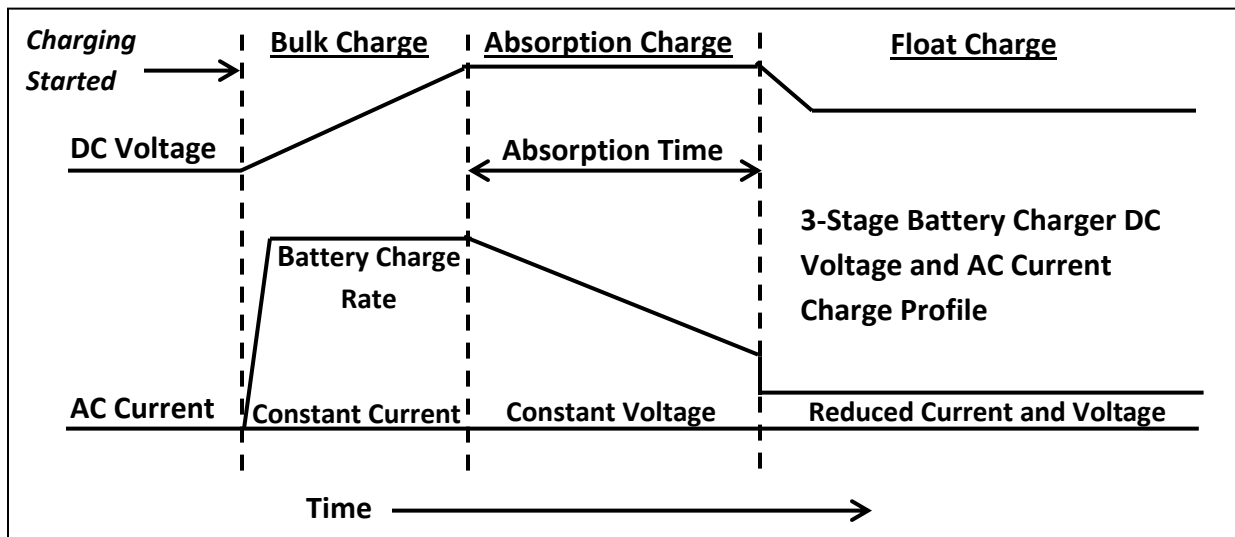
The **AMPOWER Blue 24** Aviation Battery Charger is a fully automatic 3 stage charger.

- For use on any type of 24 volt DC rechargeable lead acid battery – including: conventional, maintenance free, deep cycle, gelled-type battery.
- Charging profile: modified constant current charge that automatically switches to a constant finishing voltage then to a float standby.
- Current limiting with reverse polarity and short circuit protection.
- Finishing voltage: 2.28 volts per cell float; 2.4 volts per cell finishing.
- Full load at 2.1 volts per cell continuous – 100% duty cycle.
- Output Bulk/Boost/Equalizer/Absorption charge voltage 29.2 VDC \pm 0.2 V.
- Output Float charge voltage 27.4 VDC \pm 0.2 V
- Automatically responds to the condition of the battery and follows battery impedance to end of charge cycle.
- It can be left on indefinitely without causing damage – it will condition your battery and prevent harmful sulfation buildup.



Blue 24 Aviation AUTOMATIC BATTERY CHARGER

PART NO.: A2405
OUTPUT: 24VDC / 5AMP
INPUT: 100-240VAC / 50-60Hz / 3AMP / AUTOMATIC SENSING - WORLDWIDE
Dimensions: (L x W x H) mm 179.39 x 87.31 x 46.04 / inch 7 1/16 x 3 7/16 x 1 13/16
Weight: 0.8 Kgs / 1.76 Lbs



OPERATING INSTRUCTIONS

1. Check the "Start/Stop" switch to ensure it's in the "Stop" position.
2. Connect the Red alligator clip to the positive/+ battery terminal, and the Black alligator clip to the negative/- battery terminal.
3. Plug the charger into an AC power source.
4. Press the "Start" switch to start the charging sequence.

INDICATIONS

1. **"Blue"** LED: there is power to the unit and the "Start" switch is turned on.
2. **"Amber / Green"** LED (dual colored LED): **"Amber – Bulk / Absorption Charge"**, **"Green – Ready / Float Charge"**. Charger will automatically switch to "Float Mode" and can be left on continuously without harming the battery.
3. **"Blue"** flashing LED: means the charger does not see a load at the battery due to a "reverse polarity" or "open/blown fuse" condition. Fuse located on front of unit – use 5AMP / 250V fuse only.
4. Fan runs at a higher speed during bulk/absorption charge than it does during float charge.