

Schauer

Portable Power Supply / Automatic Battery Charger

Models: **JAC2512-***** (12 Volt, 25 Amp) **JAC2024H-***** (24 Volt, 20 Amp)

Portable Power Supply:

This unit will provide DC power/amperage filtered through the battery. The provided DC current allows operation of the plane's avionic electronics on the ground without draining the plane's battery.

Caution! This portable power supply is not meant for engine starting.

Proper Connection sequence:

- Select the voltage selection switch on the front of the unit to the Gel/AGM position regardless of battery type. This voltage setting is best suited for airplane battery voltage.
- Plane's Master Power / Avionics Power switch is OFF
- Plug the power supply into the AC power/wall outlet
 - o Power Supply Power switch Off
- Connect the power supply APU plug into the plane's external power receptacle
- Turn Plane's Master Power On
- Turn On the Power Supply
 - o verify Amber Equalizer LED on power supply is illuminated

If the Equalizer LED on Power Supply does not illuminate Amber, the unit has not begun to provide electrical current. You may need to try different combination of the Plane's Master and Avionics power switches. Consult your plane's operating manual regarding external power receptacle.

Battery Charger:

This automatic charger can remain directly connected to the battery for prolonged periods. When the battery is fully charged, the charger will switch to and hold a maintenance float voltage to properly maintain the battery between uses/flights (alternator charging).

Charging requires connection to the battery. Use of the external power receptacle requires for the master power switch to be on and you would not leave your plane in this mode for long term battery charging / maintenance. Use battery clips adapter to connect directly to battery posts. Optional longer adapters with ring terminals for more convenient and permanent connection to the battery are available, please contact Schauer Chargers for options. 513-791-3030 x1

Caution! Connect battery Clips to battery post / bus bar before turning charger On. Practice **Caution!** not to touch Positive and Negative battery clips together; this may cause the protection output fuse on the battery clips adapter and/or inside the unit to blow/open and/or damage the main circuit board of the unit.

- Select the Gel/AGM charge voltage position for airplane battery
- Plug the charger into AC power / wall outlet
- Connect battery clips to battery post with correct polarity - Red to Positive, Black to Negative
- Turn Charger on (confirm Amber LED – charging, Green after Amber LED Maintenance float mode)