

## AIRCRAFT POWER UNIT AS 24-40



- **Output 24 Volt DC**  
37 amp/hour continuous power  
2160 amp Peak Starting Power
- **Recharge Rate: 3 amp w/ installed charger**  
110 – 240 Volt input (auto-select)  
(up to 300 AMP with external charger -  
emergency only)
- **Supplied in 2 cases to maintain portability**
- **Equipped with standard aviation plug**
- **Maintenance-free**
- **Recharging time approx. 4 hours**
- **Durable cases, fiber-reinforced**
- **Long shelf and service life**
- **Completely self-contained**
- **Easy transport/handling**

Other sizes and voltages available

**Warranty** - The power supply is warranted for the period of 6 months

**Maintenance free** - The batteries are maintenance-free, similar to gel-cell batteries. They are completely encapsulated and, if treated properly, will not leak. Improper treatment means charging at too high a voltage. When properly charged, care is limited to occasional cleaning without the use of solvents.

**Recharge time approximately 4 hours** - The external charger is designed to provide 3 amps of charging current. Charging current and state of charge are indicated by a Volt/Ammeter combination. With normal use, the case will be recharged after only 2 to 4 hours. Using this charger, the case does not need to be disconnected from the wall outlet. It may be left plugged-in indefinitely without possibility of damage to the batteries. Primary voltage required for the charger is from 100 to 250 volt AC, single phase, at 50 to 60 cycles.

**Fast charging possible** - Even completely discharged batteries can be recharged within one hour if the charger used is voltage limited and can supply the necessary current. For urgent or emergency recharge, the unit may be left connected to the aircraft exceptionally after the generator is brought on line. The case will be recharged up to a maximum of 300 amps from the aircraft's system and be fully charged in just minutes.

**Completely self-contained** - All you ever have to do to this power supply is to keep it charged and it will give trouble-free service for a long time. Just plug in the internal charger and forget about it.

**Unlimited Transportability** - By design, these batteries are classified as "non hazardous" and can be transported fully charged on airplanes or helicopters, keeping them ready for use at any time.

**Safety** - Since the batteries do not contain a liquid electrolyte that can leak through falling or gassing, danger through corrosion is not given.

**Deep Cycling** - Through the latest battery technology, the recharging after a deep cycle presents no problems. A so called "memory effect" is nonexistent. Immediate recharge however is required.

**Technical data** - The heart of the Power Supply is its heavy duty lead battery. It is not identical to the conventional gel batteries in its construction and its mode of operation is entirely different. The positive and negative plates are manufactured from a multitude of pure lead screens. The individual screens are each separated by fiber glass separators. The electrolyte consists of a paste and is different for positive and negative plates. The battery case is completely sealed. Through this design, operation or storage independent of its position is possible.

The shelf and service temperature is between -30°C and +60°C (-22°F and +140°F).