



- **Output** - 24/28 Volt DC with 26 amp/hour continuous power for ground and avionic tests. Starting Power is approx. 1520 amp peak and enough for any piston engine and most smaller turbines like Pratt & Whitney PT-6 as well as most smaller Ariell and Garret TPE and TFE 731 series.
- **Plastic case** - The weight is approx. 55 lbs. (25 kg). The size is like your pilots case with 17.0" wide X 10.0" high X 6.0" deep (43.2 cm X 25.0 cm X 15.0 cm). The case is fiber reinforced, watertight and unbreakable, unaffected by dents, scratches or corrosion. The built-in pressure purge valve allows for quick equalization after changes in altitude or temperature.
- **Electrical connection** – The power unit comes with a standard aviation plug and rubber insulated high flexible cables with a length of about 2 meters (6 ft.).
- **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 installed 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 the internal 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 autoselect, 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. If left connected to the aircraft after the generator is brought on line, the case will be recharged at 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).

Other sizes and voltages available

Warranty - *The power supply is covered by a limited warranty for 6 months*

Profil Aviation reserves the right to alter or amend specifications without notice as part of its program of continuous improvement.