START PAC® PORTABLE STARTING UNITS

The new patent pending Start Pac QC models have separate removable batteries that can be charged in 15 seconds. This feature allows the user to change the batteries in the field without needing to send the Start Pac back to the shop or manufacturer. Batteries have no memory effect and can be recharged at anytime. Made in the USA. Certain aircraft will allow the ship’s generator to back charge a GPU. In this manner, Start Pacs can be recharged in the field without an AC source indefinitely.

NOTE: When storing the Start Pac for more than 30 days, remove the battery pack from the charging unit and store separately.

**MODEL 1324-1 QC**
- *13 AMP hours @ 10 Amp Hour Rate* 1300 AMPS Peak Current complete with built in charger, power plug and cables.
- 24/26 VDC output, with universal chargers that will accept 90-240 VAC 50/60 hertz.
- 24 VDC output from 0 - 58 Peak Amps Power supply / charger: * Multi-unit 58 Amp Valve regulated high amperage output lead acid * 3200 AMP continuous output * 28 - 28.5 Volt output from 0 - 58 Peak Amps
- Complete. Utilizes the latest technology in Lithium batteries. (can be left in a completely discharged state without causing damage)

**MODEL 2300 QC**
- Built in chargers, power plug and cables. 24/26 VDC output, with universal chargers that will accept 90-240 VAC 50/60 hertz.
- 24 AMP hours @ 10 Hour Rate 2400 AMPS Peak Current. Available with separate trolley. 19.2”x7.5”x11.5” 77 LBS. Complete.

**MODEL 6028 QC**
- All In One air portable/carry-on START PAC® with built in chargers, power plug and cables. Units are 28.5 VDC output, with universal chargers that will accept 90-240 VAC 50/60 hertz.
- 26 AMP hours @ 10 Hour Rate 2300 AMPS Peak Current. Available with separate trolley. 19.2”x7.5”x11.5”. 69 LBS. Complete. For starting engines up to 1500 horse power and give four to six starts between charges. This unit has a dual redundant 4 amp chargers. When plugged into an AC source, 8 amps at 28VDC, is available for maintenance functions without depleting the batteries. Recharge time is approx. 3-1/2 hours.

**MODEL L2800 QC**
- A full 28VDC battery pack and will provide superior starts on all electrically-started turbine engines. It has dual, redundant chargers with a total of 7 amps output and a 2 AMP hour rate. 2400 AMPS Peak Current. LED Voltmeter. 7 lbs./3.18 kg. L 15 3/4” x W 7.5” x H 9.75” 46 LBS. Complete. Utilizes the latest technology in Lithium batteries.

**MODEL LI2800 QC**
- A full 28VDC battery pack and will provide superior starts on all electrically-started turbine engines. It has dual, redundant chargers with a total of 7 amps output and a 2 AMP hour rate. 2400 AMPS Peak Current. LED Voltmeter. 7 lbs./3.18 kg. L 15 3/4” x W 7.5” x H 9.75” 46 LBS. Complete. Utilizes the latest technology in Lithium batteries. (can be left in a completely discharged state without causing damage)

**START PAC® ONE™**
- The smallest and lightest emergency 28V aircraft jump starter in the world. At an incredible weight of just 7 lbs. it is the only choice for emergency starting in urgent situations and isolated locations.

The ONE is designed for piston and small to medium turbine engines as well as aircraft with over-voltage protection sensitivity. The START PAC® ONE™ comes with a battery charger, charging bag, and ballistic nylon carrying case. 28V and suitable for over-voltage sensitive aircraft, 10 amp hours. 1500 AMPS Peak Current. LED Voltmeter. 7 lbs./3.18 kg. L 15 3/4” x W 7.5” x H 2 1/2”. Not to be used as an aircraft battery charger.

**QUICK CHANGE TROLLEY**
- The Start Pac QC trolley is a light weight accessory for either the Start Pac Models 1324-2QC, 1628QC, 2300QC or the 6028QC

**START PAC® POWER SUPPLIES**

The entire aircraft electrical system can be powered up for GPS programming and electrical maintenance. Thus the on board aircraft battery can be saved for starting. Do not use for starting as starter motors require far more amperage. See below for full details of the StartPac® Portable Power Supply. Not for battery charging. Made in the USA.

**MODEL 53025/12V**
- Do not cover or enclose this Start Pac® when using, as this will inhibit airflow needed for cooling purposes. Use a minimum of 12# wire size for the AC extension cord. 12 Volt output unit. * AC INPUT: 90 to 240 VAC, 7 amps * DC OUTPUT: 25 amps @ 14.2 Volts * 8 lbs./3.63 kilos complete * 14” long, 5.25” wide, 5.5” high * Continuous duty fan cooled
- Over current protection * Over voltage protection * Over temperature protection. Designed to power up 12 Volt aircraft systems. The voltage output is set to 14.2 Volts. Maximum amperage output is 50 amps which is adequate for most light aircraft. If overloaded, the 53025/12 will trip off and reset itself after a short period of time. This unit is ideal for powering new up and new old aircraft with glass cockpits.

**MODEL 53050**
- Specifications: * No duty cycle, output voltage 28.5 VDC * AC input is universal 90-240 Volts. * Over current protection * Over voltage protection * Over temperature protection. * Forced air cooling
- Dimensions: Wt. 10 lbs./4.54 kilos 14” X 5.25” X 5.5”. A 28.5 Volt continuous DC power supply when plugged into 110/220 Volt single phase AC power. Will deliver full 50 amp DC output if plugged into 110/220 Volt single phase AC power.

**START PAC® GROUND POWER UNITS**

The following dimensions apply to each of the 3324s: 38”x21”x20” Handle Height 48”. Avoid discharging the batteries completely as damage can result.

**MODEL 3324**
- Combination power supply and battery pack. Batteries: * 78 Amp Hours at 10 hour rate * 24 Volt DC - 25.5 Volts at rest Sealed cells non-hazardous.
- Valve regulated high amperage output lead acid to 200 AMP Peaks Power supply / charger. * Multit- unit 58 Amp DC continuous output * 28 - 28.5 Volt output from 0 - 58 Amp load. * Battery rapid 3 hour charge time from fully discharged - 2 hours * AC Input - 110 Volt or 220 Volts (only 1) Limitations: 200 amps maximum DC load.

**FOR ADDITIONAL GROUND POWER UNITS PLEASE CALL OR VISIT OUR WEBSITE AT WWW.AIRCRAFTSPRUCE.COM**