

# START PAC® STARTERS - POWER SUPPLIES

## START PAC® PORTABLE STARTING UNITS

The new patent pending Start Pac QC models have separate removable batteries that can be changed 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 • 15.5"x4"x11.75" • 35 LBS. Complete • Units are 24 VDC output with a universal charger

that will accept 90-240 VAC 50/60 hertz. Will start turbine or piston engines up to 500 horse power. Has a 4.5 amp charger and will provide a charge time of approx. 4 hours. Will give two to three starts between charges. This portable unit is mainly designed for emergency starting in remote locations. This unit is not designed for repeated daily starts or maintenance functions.

1324-1 QC .....P/N 11-04538 .....**\$1,226.00**  
1324-1 QC-RBS (Battery Set) .....P/N 11-07231 .....**\$339.00**



### 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. • 26 AMP hours @ 10 Hour Rate • 2300 AMPS Peak Current • Trolley avail. • 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.

2300 QC .....P/N 11-06780 .....**\$2,387.00**  
2300QC-B (Batteries) .....P/N 11-06781 .....**\$935.00**



### 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 90-240VAC 50/60 hertz. 26 AMP hours @ 10 Hour Rate. 2300 AMPS Peak Current. Available with separate trolley. 19.2"x7.5"x11.5". 77 LBS. Complete.

6028 QC .....P/N 11-06783 .....**\$3,043.00**  
6028 QC-B (Batteries) .....P/N 11-07189 .....**\$1,095.00**



### 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 recharge time of approximately 4 hours. • 28 AMP hours @ 10 Hour Rate • 2400 AMPS Peak Current • L 19.2" 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)

Li2800 QC .....P/N 11-06782 .....**\$4,014.00**



### START PAC® ONE™

START PAC® ONE™ is 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 3.75" x D 2 1/2". Not to be used as an aircraft battery charger. One™ .....P/N 11-14192 .....**\$2,629.00**

### 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

...P/N 11-06775 .....**\$330.00**



## 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 than is available from the StartPac® Portable Power Supply. Not for battery charging. Made in the USA.



### MODEL 53025/12VC

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 • 9 Lbs./4.08 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 up new and old aircraft with glass cockpits.

Standard Plug 53025 - 12V .....P/N 11-04536 .....**\$659.00**  
Standard Plug 53025-24V .....P/N 11-04537 .....**\$675.00**  
Piper Plug 53025-12V .....P/N 11-10088 .....**\$658.00**



### 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 5.50". 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 continuously, but will not provide enough current for aircraft engine starting or mining equipment starting.

53050 .....P/N 11-06833 .....**\$1,125.00**



### MODEL 53105

**Specifications:** • Maximum continuous 105 amps +5%. No duty cycle • AC input 190-240 Volts • Over current protection • Over voltage protection • Over temperature protection • Forced air cooling • 8 foot power cable • Weights 26

lbs./11.80 kilos complete with power cable • 14.5"x7"x13.75". A 28.5 Volt continuous DC power supply when plugged into 220Volt single-phase AC power. Will deliver full 105 amp DC output, but will not provide enough current for engine starting.

53105 .....P/N 11-06834 .....**\$2,165.00**

## START PAC® GROUND POWER UNITS

The following dimensions apply to each of the 3300s: 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 • 3200 Peak Amps Power supply / charger: • Multi- unit 58 Amp DC continuous output • 28 - 28.5 Volt output from 0 - 58 amp load • Battery recharge time from fully discharged - 2 hours • AC Input - 110 Volt or 220 Volts (only 1) Limitations: 200 amps maximum DC load. 3324 .....P/N 11-07225 .....**\$5,305.00**  
3324-RBS (Battery Set) .....P/N 11-07234 .....**\$1,329.00**

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

## START PAC QUICK CHARGE GROUND POWER UNIT



These ground power units are designed to perform starting, powering up aircraft systems and maintenance functions. When connected to AC power, the depleted batteries can be charged in a matter of hours with the built in power supply/battery charger.

Volts	Amps	Part No.	Price
24	50	11-14337	<b>\$5,795.00</b>
24	105	11-14338	<b>\$5,973.00</b>
24	200	11-14339	<b>\$6,751.00</b>
24	300	11-14340	<b>\$7,335.00</b>
28	400	11-14341	<b>\$5,758.00</b>
28	105	11-14342	<b>\$6,219.00</b>
28	200	11-14343	<b>\$7,017.00</b>
28	300	11-14344	<b>\$7,504.00</b>
28	400	11-14345	<b>\$8,017.00</b>