

# START PAC – POWERALL – EXP BUS

## START PAC QUICK CHARGE GROUND POWER UNIT



- The GPU is rated at 3200 peak starting amps and a continuous -50 / -105 / -200 / -300 / -400 Amp DC output when connected to a 110 Volt or 220 Volt AC source (voltage must be specified when order is placed)
- The Li3328QC weighs approximately

120 lbs. and is pulled by hand or tug. Locking the handle in an upright position sets the GPU brake • The environmentally friendly durable low VOC powder coating helps to make this unit weather resistant and the recyclable non-toxic lithium batteries can be easily and safely returned to the Earth without any detrimental environmental repercussions.

| Volts | Amps | Part No. | Price      | Volts | Amps | Part No. | Price      |
|-------|------|----------|------------|-------|------|----------|------------|
| 28    | 50   | 11-17732 | \$5,961.11 | 28    | 300  | 11-17735 | \$7,988.89 |
| 28    | 105  | 11-17733 | \$6,455.56 | 28    | 400  | 11-17736 | \$8,800.00 |
| 28    | 200  | 11-17734 | \$7,277.78 |       |      |          |            |

## START PAC QUICK CHARGE GROUND POWER UNIT



- The GPU is rated at 3200 peak starting amps and a continuous -50 / -105 / -200 / -300 / -400 Amp DC output when connected to a 220 Volt AC source • The Li3326QC weighs approximately 120 lbs. and is pulled by hand or tug • Locking the handle in an upright position

sets the GPU brake • The environmentally friendly durable low VOC powder coating helps to make this unit weather resistant and the recyclable non-toxic lithium batteries can be easily and safely returned to the Earth without any detrimental environmental repercussions.

| Volts | Amps | Part No. | Price      | Volts | Amps | Part No. | Price      |
|-------|------|----------|------------|-------|------|----------|------------|
| 26    | 50   | 11-17727 | \$6,077.78 | 26    | 300  | 11-17730 | \$7,983.33 |
| 26    | 105  | 11-17728 | \$6,455.56 | 26    | 400  | 11-17731 | \$8,800.00 |
| 26    | 200  | 11-17729 | \$7,277.78 |       |      |          |            |

## START PAC MODEL LI3326QC SET



The engineers at START PAC specifically designed the Li2700QC as an airplane starting unit for aircraft with voltage protection relays that are set lower than most aircraft, meaning that they cannot accept more than 29.5 volts from an external starting source. These aircraft include but are not limited to the Agusta Westland AW139, Sikorsky S-76, Eclipse 500 and both the Phenom 100 and Phenom 300.

This unit is designed for engine starting only. Not to be used as an aircraft battery charger. Do not charge in flight. 50 amp.....P/N 11-18179 .....\$6,793.00  
105 amp.....P/N 11-18180 .....\$7,260.00  
200 amp.....P/N 11-18181 .....\$8,074.00  
300 amp.....P/N 11-18182 .....\$8,888.00  
400 amp.....P/N 11-18183 .....\$9,702.00

## POWERALL PORTABLE GROUND POWER UNIT



Portable power for hangar and ramp operations ranging from 25 to 50 Amp Continuous Power with up to 2400 Peak Amps for Starting.

Multi-Purpose and Powerful, the PA-4500 and PA-4500-100 are designed for optimum versatility providing constant, reliable power and up to 4500 Peak Amps for starting and maintaining a large variety of Turbine Powered Aircraft and Helicopters.

This powerful dual unit is the appropriate choice for large turboprops, mid-size turboprop-powered aircraft, and large helicopters. The PA-4500 is actually 2 PA-2400 units coupled together in parallel delivering up to 4500 Peak Amps for starting aircraft and helicopters with a higher amperage draw such as the Raytheon HS-125-800XP, Westwind, Brasilia 120, Lear 40 series, Jetstream 30 Series aircraft, and Agusta Westwind AW139 and Sikorski S76 Series Helicopters.

50 Amps .....P/N 11-17898 .....\$9,720.00  
100 Amps .....P/N 11-17899 .....\$11,658.00

## B&C HIGH/LOW VOLTAGE WARNING INDICATOR



The BC207 is a solid-state high/low voltage sensor which mounts behind the instrument panel, and provides a visual indication of abnormal bus voltage via an included panel-mounted warning light. When flashing, this light indicates bus voltage greater than 15.5 volts D.C. (or 31.0 volts D.C.); when steady, it indicates bus voltage below 12.5 volts D.C. (or 25.0 volts D.C.). **Weight:** 4.5 oz. Select the appropriate sensor below according to battery voltage.

BC207-1 OV/LV Sensor (14 volt).....P/N 07-06830 .....\$109.75  
BC207-2 OV/LV Sensor (28 volt).....P/N 07-03435 .....\$93.75

## POWERALL PORTABLE GROUND POWER UNIT



The PA-2400 has been used in the field to start the following fixed-wing aircraft and helicopters:

All Beechcraft King Air Models, Beechcraft 190 Series, Cessna Caravan 208, Citation 500 and 550 Series, Embraer Bandeirante 110, Piper Cheyenne Series, and Lear 20 Series. All Boeing/McDonnell Douglas Series helicopters, Agusta Series, Bell 205, 206, 407, 222, 230, 430 Series, Airbus Helicopters

AS 350, EC120, BO105 and BK117 Series. The PA-2400-50 portable GPU has all the capabilities as the PA-2400, delivering up to 2400 Peak Amps for starting a wide variety of aircraft while providing up to 50 Continuous Amps for maintenance and pre-flight operations. This unit offers the same light-weight compact versatility as the PA-2400 and can be easily stowed in the aircraft luggage compartment when necessary. The PA-2400-50 is the optimum choice for Turbo Prop Aircraft and Turbine Helicopters with EFIS such as the Pilatus PC12, King Air Series, Eclipse 500, Bell 407, Airbus Helicopters EC135 and 145 helicopters and most light turbine helicopters, turboprops, and VLJ's with EFIS

25 Amps .....P/N 11-17897 .....\$5,485.00  
50 Amps .....P/N 11-16658 .....\$6,690.00

## POWERALL TW60 ENGINE WASH SYSTEM



PowerAll Systems manufactures two options of the TEWS products, the TW60 and the TW60AT. Both units are with hard-line plumbing and bulkhead fittings for durability and come with two, five-gallon fluid tanks and 25 ft. of hose. Fluid can be diverted from either tank, Solution or Water, with a valve on the faceplate of the unit. A pressure regulator and gauge allow for pressures ranging from 0-60 PSI which allows for use with a variety of aircraft engine manufacturers whose maintenance specifications for compressor and turbine wheel washes fall within these parameters. The TW60 utilizes shop air as its source. It is widely considered within the aircraft maintenance industry that regular engine washes greatly improve engine efficiency, reduce fuel consumption and extend engine life. The TW60 and TW60AT Turbine Engine Wash Systems (TEWS) are designed for use in the hangar or on the ramp.

TW-60 - Uses Shop Air as its Source..... P/N 11-17900 .....\$4,182.00  
TW-60AT - Uses On-Board 5 Gal Compressed Air Tank / Shop Air  
P/N 11-16659 .....\$4,934.00

## AEROVOLTZ CO-PILOT BATTERY JUMP PACK



The Co-Pilot is a 1000 Amp Jump Starter & Portable Power Bank with rapid 10 watts wireless cell phone charging and is compact and powerful. It's a sleek, portable, and lightweight lithium battery jump starter for all 12-volt batteries. Will easily jump start your aircraft or vehicle on a single charge and store in your flight bag for convenience. The Co-Pilot is safe for anyone to use, featuring spark-proof technology, as well as reverse polarity protection. It's rated at 1000 Amp and suitable for engines up to V8 engines such as a car, boat, SUV, truck as well as your six-cylinder Aircraft engine. It comes with smart alligator clips that provide warnings for faults and error protection .....P/N 11-17468 .....\$121.75

## EXP BUS PRODUCTS



**IND 2** - Annunciators for each solid state breaker on the EXP BUS • Over and undervoltage warning lights • Ammeter display • Instrument light dimmer circuit • Single ribbon cable installation to EXP Bus. The Indicator module is an accessory for the EXP BUS DC LOAD CENTER. This optional accessory provides several enhancements to the basic load center, all mounted in a small panel mount module, 4.6 inches long, and 2 inches wide. The module extends 2 inches in depth, behind the panel. The module provides an annunciator output for each fused output on the LOAD CENTER, which illuminates if the circuit is tripped. It also provides OVER and UNDER VOLTAGE annunciators, an AMP-METER indicator, and a light dimmer circuit for the instrument lights .....P/N 11-00432 .....\$134.95



**BRKT 2** - Mounting brackets to simplify mounting the PC board in the aircraft. Put things where you want them to be. Free Shipping on this item.  
P/N 11-00433 .....\$21.95



## USB PANEL POWER ADAPTER

CRAZEDpilot USB Panel Mount provides a simple and convenient mounting option for dual USB power adapter with easy access and integrated dust seal. Can be driven with 6-30v input power source, so works great in either 12v or 24v aircraft!.....P/N 11-14866 .....\$19.85