

START PAC® – POWERALL

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	---
105 amp.....	P/N 11-18180	---
200 amp.....	P/N 11-18181	---
300 amp.....	P/N 11-18182	---
400 amp.....	P/N 11-18183	---

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 turbofan-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	---
100 Amps	P/N 11-17899	---

POWERALL COMPRESSOR WASH WAND

Powerall Compressor Wash Wand
P/N 11-19533

POWERALL TURBINE SECTION WASH TOOL

Powerall Turbine Section Wash Tool
P/N 11-19534

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 1900 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 VJL's with EFIS

25 Amps	P/N 11-17897	---
50 Amps	P/N 11-16658	---

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	---
TW-60AT - Uses On-Board 5 Gal Compressed Air Tank / Shop Air	P/N 11-16659	---

POWERALL GROUND POWER UNITS



PAS-2400 • With Heavy-Duty Marine Grade AGM Lead Acid battery technology and large no-flat tires, the PAS-2400 ground power unit is designed to start a variety of Turbo Prop aircraft and Helicopters.

The PAS-2400 GPU provides up to 2400 Peak Amps for starting and up to 25 Continuous Amps for Maintenance/EFIS Updates while plugged into a 110 or 220V AC source.

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

All Beechcraft King Air models, Beechcraft 1900 Series, Cessna Caravan 208, Citation 500 and 550 Series, Embraer Bandeirante 110, Piper Cheyenne Series and Lear 20 Series. All Boeing/McDonnell Series helicopters, Agusta Series, Bell 205, 206, 407, 222, 230 430 Series, Airbus Helicopters AS 350, EC120, BO105, BK117 Series.

PAS-2400-50 • The PAS-2400-50 ground power unit is the best choice for most turbo prop aircraft and helicopters with updated EFIS or "Glass Cockpit" systems installed. Delivering up to 50 continuous amps for EFIS and Maintenance Operations, and up to 2400 Peak Amps for starting, this unit is Powerall's most popular GPU model for FBO and Hangar Maintenance operations.

PAS-2400	P/N 11-19531	---
PAS-2400-50	P/N 11-19532	---