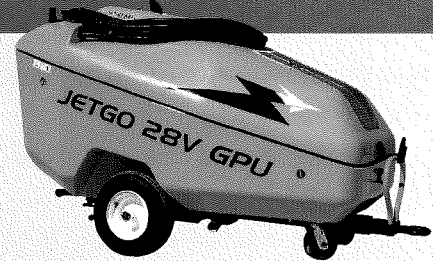




JetGo Ground Power Units

JetGo Precision Hybrid GPUs[®] are compact units offering impressive continuous and peak power in addition to sophisticated aircraft protection systems. JetGo's light weight and compact size lends to easy portability, whether it be across the ramp or around the world. Applications include support of avionics, electrical air conditioning, aircraft maintenance and engine starts. These user-friendly units are the affordable answer to 28VDC power requirements.



550Mti / 28eco



550Mti-RJ / 28eco-RJ

Features

- Industrial grade Kubota diesel engines with worldwide support
- 1700 CCA batteries combine with either 400 or 550amp alternators to provide clean "cool spool" starts
- Rapid recharging of GPU's hybrid batteries allows multiple engine starts
- Emergency start 24VDC battery pack is available without running engine, preventing turbine "hot starts" and damage to aircraft engine
- In-hangar aircraft system maintenance can be performed without engine running using 24V GPU battery system
- Compact size allows wing and fuselage clearance
- Low profile design protects aircraft from potential collision damage
- LED clearance lights illuminate when GPU is running
- Fiberglass enclosure is rust and dent-proof, with marine grade UV resistant gelcoat
- Towable, yet easy to push by hand into service position
- Control panel and LED contactor light



"Wanted to pass along some info on the results of using the JetGO 550Mti GPU in handling our Pilatus PC-12. In short, it is the best unit I have ever used, it's both quiet, and powerful."

*Jack Mansur, Chief Pilot
Morning Star Services LLC*



JetGo Ground Power Units

Engine Specs:

- Kubota diesel engines with E-TVCS combustion systems provide high performance at the lowest fuel consumption available

Model 28eco/28eco-RJ: 3 cyl, 0.9 liter, 15.2kw (20.4hp) continuous @ 3600rpm

- Performance: 400amp continuous 28VDC output with 2100amp starting capability*

Model 550Mti/ 550Mti-RJ: 4 cyl, 1.5 liter turbo charged, 27.2kw (36.5hp) continuous @ 3000rpm

- Performance: 550amp continuous 28VDC output with 2300amp starting capability*

*Includes generator and battery performance

Fuel consumption

- 28eco: 0.5 to 1.2 US gallons per hour
- 550Mti: 0.8 to 1.5 US gallons per hour

Fuel: Tank Capacity / Type / Run time

- 9 US Gallon Capacity, corrosion resistant materials
- 8-10 hrs of constant run time at average load

Fuel Grades: Diesel, Low Sulfur Diesel, Jet-A1, JP4 or JP5

Hybrid Battery System

- NorthStar AGM maintenance free batteries (2 each)
Capacity: 1700CA / 1400CCA @ 0° F (Per Battery)

Emission Compliance

- Environmentally friendly: EPA Tier 4 and Tier EU Stage IIIA

Engine Displays & Instruments

- Start/Stop button
- Alarm indicator, notes faults in any protection system
- Low oil and Low Fuel protection with auto shutdown
- Glow plug preheat system automatically engages in cold weather
- Over-speed/under-speed protection with auto shutdown
- Fuel quantity gauge
- Hobbs (hour) meter
- Amperage fault indicator

GPU Displays & Instruments

- Volt and Amp gauges
- Contactor On/Off switch with bright LED indicator

Construction

- Fiberglass enclosure, UV resistant gelcoat
- DC cable: MS3506 mil-spec 30 feet (10m) 4/0 with aircraft standard NATO plug
- "Easybrake" foot activated brake system (non-RJ models)
- Towbar friction activated brake system (RJ models)
- Powder coated tubular steel chassis, extendable towing bar (non-RJ models)
- Galvanized tubular steel heavy-duty towing chassis (RJ models)
- External cable tray and front splash guard (RJ models)
- Marine grade stainless steel exterior hardware
- Protectoseal safety fill cap with flash arrester (non-RJ models)
- Heavy-duty wheels and road-rated tires

Warranty

- JetGo: 12 month manufacturer's limited warranty
- Kubota: 2 years/2,000 hours engine limited warranty
3 year/3,000 hour engine component limited warranty
- NorthStar Battery: Limited 24 months manufacturer's warranty

Dimensions: 550Mti / 28eco

- Physical dimensions: L: 74" x W: 42" x H: 45"
(L: 1880mm x W: 1067mm x H: 1143mm)
- 28eco: 1,224 lbs (556.4 kg)
550Mti: 1,367 lbs (621.4 kg)

Dimensions: 550Mti-RJ / 28eco-RJ

- Physical dimensions: L: 121" x W: 46" x H: 46.5"
(L: 3070mm x W: 1168mm x H: 1181mm)
- 28eco: 1,562 lbs (710 kg)
550Mti: 1,708 lbs (776 kg)



Features of the Jetgo 550Mti.



Kubota Engine- largest manufacturer of stationary engines in the world. Renowned for unrelenting reliability even under the most adverse conditions.

Turbocharged power in reserve- 1.5 liter 4 cylinder turbocharged diesel provides quiet smooth running and an abundance of power in reserve. Handles Hot and High conditions and does not suffer from atmospheric pressure decrease at altitude compared to a normally aspirated engine. A Non-Turbocharged engine can decrease in performance by 13% at 3300ft above msl.

600amp alternator = huge electrical power in reserve. Most corporate aircraft will require between 180 and 260 amps of continual 28.5volt DC power. Some like the Embraer Phenom will draw 320 amps. The 550Mti generates 600amps at 28.5V and this means that we have enormous reserves which also equates to the 550Mti only operating at 40% – 55% of its capacity. A colossal positive factor when reliability, maintenance and longevity are key issues. Another great feature of this is the low full usage and cool running compared with other units operating at higher loads.

Hybrid style GPU's are the future in economical power generation. However, without enough amperage ability to maintain the GPU's 'Start' batteries at 80% or better State of Charge, this can damage the battery packs leading to early battery replacement and poor start performances. The Jetgo 550Mti, by virtue of the oversized 600amp alternator addresses this issue completely by providing a huge 'inrush' of amperage after conducting an engine start. This reserve amperage will maintain the batteries in peak condition during normal operation without any additional charging required. This equates to easy operation by airport line technicians without having to constantly maintain or manage battery packs. Our 550Mti will be ready to perform perfectly at all times.

Our battery packs are built to withstand the enormous loads placed upon them. Each 12V cell is rated at 1700CCA and is built specifically for this style of operation. It is not an 'off the shelf' car battery. In conjunction with the alternator current we have a theoretical CCA of well in excess of 2000amps.

The Jetgo550Mti has been designed to be the simplest GPU to operate on the market.

'One Press' Green Run Button to start and operate and 'One Press' Red Stop button to shut off. No other functions are required to operate the GPU except to connect it to the aircraft and turn on the contactor. Warm up and cool down parameters are automated by the digital control systems incorporated in the 550Mti. Fuel levels can be checked at the instrument panel without the need to start the GPU and a low fuel sensor will shut down the engine before it actually runs out of fuel. On a diesel engine this is a huge time saving benefit as it often requires a maintenance technician to bleed the fuel system after refilling the tank. This is NOT required on the Jetgo models. Automatic LED running/hazard lights ensure night time visibility and the illuminated RED LED provides lighting to the instrumentation.

Advanced digital electronic governing systems provides a layer of protection for the Aircraft electrical systems by providing over and under engine rpm control and voltage regulation.

The 550Mti is designed so that it can be maneuvered to the aircraft by hand or towed to the aircraft as desired. Weighs only 1367lbs (lightest GPU in class). An extendable towbar is standard equipment on all models. Our unique foot brake system is easy to operate and dependable. Our casing is manufactured from non corrosive and highly visible fiberglass which will reduce damage to aircraft if accidently impacted.

Manufactured in Boise, Idaho USA utilizing only quality **new** components with outstanding backup product support.

Warranty is 12mths on all components with Kubota 24 mth/2000 hr and 3000hr major component failure. Battery Warranty is pro rata 24 mths.