

150  
amps

26v



The START PAC®'s RANGER® is an Free running GPU combination with a diesel powered power supply for avionics and a battery bank for engine starting for operators who do not have easy access to an AC power supply and need an economical solution for jump starting and maintenance checks.

The Ranger® combination GPU is equipped with an eco-friendly, diesel engine (2 Cylinder, 14hp) and a permanent magnet generator to provide you with up to 150 Amps of clean, continuous, no duty cycle power. A more economical alternative to the Self-Propelled "HI-BRD 4", the Ranger® comes in with a smaller engine and a lower price.

The Ranger – is the only GPU on the market using START PAC®'s signature, state of the art safe Lithium Ion batteries for aircraft engine starting. There may be instances when you are away from the hangar and have no access to AC power; you also don't want to waste time moving aircraft from the flight line to the hangar by tug. You will definitely want to jump start your fleet of aircraft and perform maintenance on various cockpit systems such as inverters, avionics and GPS. In some cases, the Ranger will also allow you to power up the on board air conditioning.

In order to be able to start any type of engine – including turbine engines on voltage sensitive aircraft – the unit is equipped with a full 26V safe lithium-ion battery bank rating 2800 peak amps. These batteries are sealed, contain no liquid and will outlast standard lead batteries by a factor of two to three. They also do not suffer from any sulfation issues that will cause them to fail prematurely from being left sitting in a discharged state. Full 26V lead acid battery pack configuration is also available upon request.





## SPECIFICATIONS

Battery type	Lead acid or Safe lithium-Ion
Voltage	26 VDC
Peak Current	2800 A
Capacity @10 Amp Rate	56 Ah for lead acid 62 Ah for Lithium
Charger type	Built in
Charging time range	1 to 8
Maximum Continuous Current output	150 A
DC voltage output	28.5 VDC
Phase	Single
Forced air-cooling	Yes
Over current protection	Yes
Over voltage protection	Yes
Over temperature protection	Yes
Complete Weight	1040lbs/472kg
Dimensions - Length x Width x Height	56" x 46" x 60" 142 x 117 x 152 cm

## PRODUCT FEATURES

- Yanmar 2-cylinder diesel engine with permanent magnet generator. No need of AC power from the wall.
- No duty cycle, clean continuous power
- Complete all-in-one unit is supplied with built in chargers and 25'/7.6m heavy duty 2/O aircraft cable
- Latest technology in safe Lithium-Ion batteries for engine starting - Twice the battery life of lead-acid batteries (Lead acid as an option)
- No sulfation issue as lead-acid (can be left in a discharged state without causing damage to the battery plates)
- Powerful, sealed cells non-hazardous battery bank, Maintenance free.
- Nontoxic, non spillable and recyclable batteries (can be easily and safely returned to the earth without any detrimental environmental repercussions)
- Heavy duty steel case with environment friendly, low VOC durable powder coat finish, easy to handle, built for heavy duty usage
- Removable doors for easy maintenance access
- Large wheels to allow easy maneuvering
- High visibility built in digital output display : voltmeter/ampmeter/hour meter
- Emergency shutdown switch
- 25 gallon/95 liters fuel tank

