



An exceptional small Diesel 28VDC GPU for business jets and helicopters. This FDGPU-10 is specially engineered for operation on diesel and Jet fuel. An excellent solution for providing 28.5V to helicopter facilities, aviation hangars and training centers. This unit provides continuous power and batteries for engine starting mode.

Lightweight and maneuverable unit is perfect for indoor and outdoor usage. Its relatively small size and extreme agility allows bringing the rectifier to any desired position. The intuitive interface is user-friendly, making the GPU easy to control. Equipped with highly durable chassis and mechanical braking system, this GPU is well prepared for heavy duty and harsh conditions.

General

- Ambient operation temperature: -40 to +122° F
- Humidity: 10 – 100%
- Casing color: white
- Noise level: according to international standards
- Casing material: composite material
- Forklift pockets: yes
- Lighting: during APA operation
- Clearance, inches: 4.5
- Warranty: 24 months
- Parking brakes: yes, drawbar upright position
- Protection class: IP 55
- Weight, pounds: 1,345
- Dimensions, LxWxH, inches: 63 x 40 x 47

Output parameters

- DC outputs: 1
- Rated output voltage, V: 28,5
- Rated output current, A: 300
- Peak current**, A: 2000 Overload, %: 100-112
- Line drop compensation 230V 50Hz 16A output socket



MAIN TECHNICAL PARAMETERS

Engine parameters

- Power, kVA: 8.4
- Engine: 2 stroke, electrical starter
- Engine speed, RPM: 3,000
- Fuel consumption, l/h: 3,3
- Fuel tank capacity, l: 35
- Engine electric circuit: 12V
- Speed governor: mechanical
- Compatible fuel types:
Diesel, Kerosene based jet fuels*
(JP-5, JP-8 Jet A-1, Jet A ASTM D1655, NATO F-34 have to be mixed with motor mineral oil in a ratio of 1:40)

Integrated batteries for hybrid mode

- Number of batteries: 5
- Nominal voltage, V: 6
- Nominal capacity, Ah: 225
- Cable and plug for battery charging
- External power sourcing:
230V,50/60Hz

Control panel

- Output voltage, current, error indicator, start/stop, engine parameters, low fuel, emergency stop buttons

Protection

- Overheat Over/low voltage
- Overload
- Short circuit
- Engine overheat
- Engine over speed
- Emergency stop

Documentation

- User + service manuals
- Engine Spare Parts Catalogue
- Passport
- Warranty certificate

Optional: extra payment items

- Fuel filter
- Oil filter
- Air filter
- Wheel with tire
- Power supply plug
- Battery
- Basic OVM tool kit
- *Power boost - 600A model is available!*

***Compatible fuel types** - Jet fuels with lower lubricity characteristics will prematurely wear FIE and engine components. Therefore, FIE parts are not covered under our standard warranty.

****Peak current** - 2000A is a theoretical instant short circuit current across the battery terminals. The maximum amperage that will be delivered by the GPU to the aircraft's external power connection is significantly reduced with cable length, cable size and duration of power. If using Jet A1, JP8 or similar, some loss of power will occur compared to diesel due to jet fuel's lower calorific value.