



The diesel engine driven GPU is designed to reduce CO2 emissions with its technical characteristics. The unit can also provide an additional output of standard voltage at The unit is able to operate from the mains, 380-400V, 3 phase main power supply grid as GPU, without fuel consumption.

These two features allow it to perform the complete service of aircrafts at remote parking operating bases, as well as use FDGPUs inside aircraft hangars without emissions. The different configurations allow the customer to find the most suitable one for their needs.

General

- Ambient operation temperature: -40 to +131° F
- Humidity: 10-100%
- Casing material: composite material, galvanized steel
- Forklift pockets: yes
- Lighting: during operation
- Warranty: 24 months
- Parking brakes: with towbar upright position
- Protection class: IP 55
- Interlock: ON/OFF switch, military/civil switch
- Overloads depend on the configuration

Engine parameters

- Engine: Perkins/Deutz/Cummins
- Engine starter: electric
- Engine speed, RPM: 1500-1800
- Fuel tank capacity: up to 12 hours of operation
- Engine electric circuit: 12/24V
- Compatible fuel type: Diesel
- Optional fuel types: kerosene based jet fuels (JP-5, JP-8, Jet A-1, Jet A ASTM 01655, NATO F-34, HVO, etc)



MAIN TECHNICAL PARAMETERS

Protection

- Overheat
- Over /Under voltage
- Overload
- Over/Under frequency
- Short circuit
- Engine overheat
- Engine over speed
- Emergency stop
- Low oil pressure
- Low fuel

Optional

- Basic OVM tool kit
- Additional output: 50/60 Hz up to 125 A
- Monitoring of energy consumption
- Beacon light
- Audio signalization
- Prime Power from external source: 3 x 400 V, 50/60 Hz
- Set of spare parts
- GPS positioning
- Climatic execution

AC Output parameters

- Total output power, 90 kVA
- Rated output voltage, VAC: 115/200 \pm 2
- Range of load changes, %: 0-100
- Range of voltage regulation, V: 104-120
- Range of frequency regulation, Hz: 360--420
- Total harmonic distortion, not worse, %: 2
- Output frequency, Hz: 400 \pm 0,001
- Coefficient of amplitude modulation of the output voltage, %, not more: 1,5
- Error log storage: up to 100 events

DC Output parameters (optional)

- Current (continuous) of each output, A Rated: 100, 400, 600, 800
- Rated output voltage, voe: 28.5
- Range of voltage regulation, V: 19-33
- Output voltage ripple factor, %: max 2

Documentation

- User+ Service Manual
- Engine Spare Parts
- Catalogue
- Passport
- Warranty Certificate

Control panel

- Output voltage, current, frequency, operational parameters and status, error indicator, start/stop
- Emergency stop buttons
- Engine parameters, low fuel