

SPECIFICATION SHEET



8kW DC Power

Micro Turbine Generator

July 21, 2024



SPECIFICATIONS

FEATURES

Brushless starter / Brushless alternator
Ready-to-use out of the box
Full Auto: Start / Restart / Cool-down
Self-Fuel-Priming Feature
Internal Start-up Battery
Re-programmable with Arduino IDE
Smooth Operation: zero vibrations

MASS PROPERTIES

Mass (Standard): 10kg
Mass (Without enclosure): 8kg

PERFORMANCE

Power (max): 8.0 kW
Output Voltage Range: 25VDC – 75VDC
Operating Voltage (optimal): 60VDC
Current Handling (max): 200A
Turbine RPM (max): 140,000
Alternator RPM (max): 10,000
Thrust (max): 37N

POWER PLANT

1X Micro Jet Engine
Start-up time: 30sec
Fuel Type: Heavy (Kerosene/Diesel/Jet-A)
Lubrication (mixed with fuel): 3-5% Turbo Oil
Fuel Flowrate (max): 300gram/min
Air Flowrate (max): 0.25kg/s
Exhaust Temperature: 650C
Maintenance Interval (80% Mean Throttle): 50Hrs
Noise Level (max): 100dB

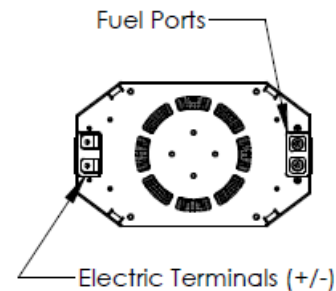
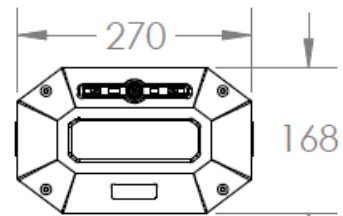
INTERFACES

Supply/Return Fuel: 2X 6mm OD Hose
Electrical Load: 2x M6 Ring Terminals

INCLUDED IN KIT

ARC Unit	Carrying Handle
Weather-proof Case	Wired Remote Control
Fuel Tubing & Power Cables	AC Charger (For Start-up Battery)

DIMENSIONS (mm)



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