

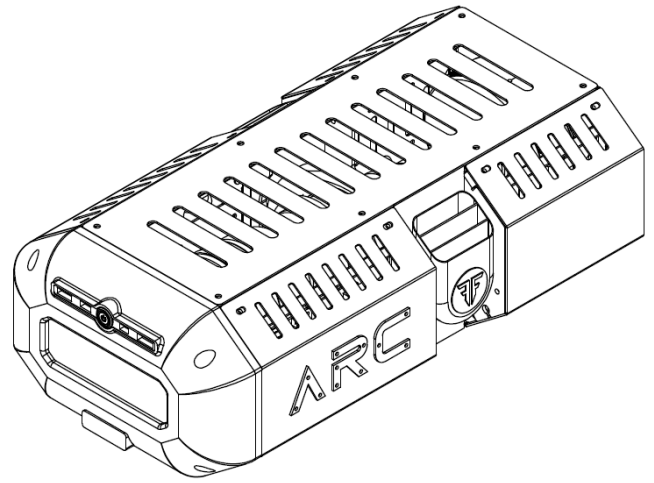
SPECIFICATION SHEET



8kW Power Output

Micro Turbogenerator

January 7, 2024



SPECIFICATIONS

FEATURES

- Brushless Starter / Brushless Alternator
- Ready-to-use out of the Box
- Full Auto: Start / Restart / Cool-down
- Built-in start-up battery
- Self-recharge circuitry
- Built-in Current sensor / voltmeter
- Built-in fuel-pump and filter
- Auto Self Fuel-priming
- Built-in controller compatible with Arduino
- Bluetooth Enabled

MASS PROPERTIES

Unit Mass: 10kg

PERFORMANCE

- Power (max): 8.0 kW
- Output Voltage Range: 15VDC – 85VDC
- Operating Voltage (optimal): 62VDC (LV) / 78VDC (HV)
- Current Handling (nominal): 130A
- Current Handling (max): 200A
- Turbine RPM (max): 140,000
- Alternator RPM (max): 10,000

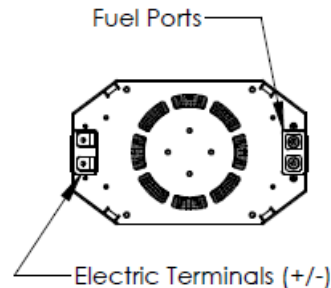
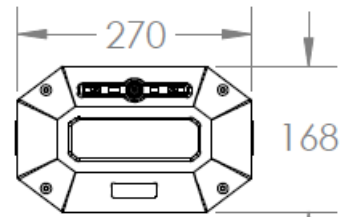
PRIME MOVER

- 1X Microturbine 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% Throttle): 50Hrs
- Noise Level (max): 100dB

INTERFACES

- Supply/Return Fuel: 2X 6mm OD Hose
- Electrical Load: 2x M6 Terminals
- Wired Remote: 2x JST Ports
- Charger Balance: 1x JST Port

DIMENSIONS (mm)



INCLUDED IN KIT

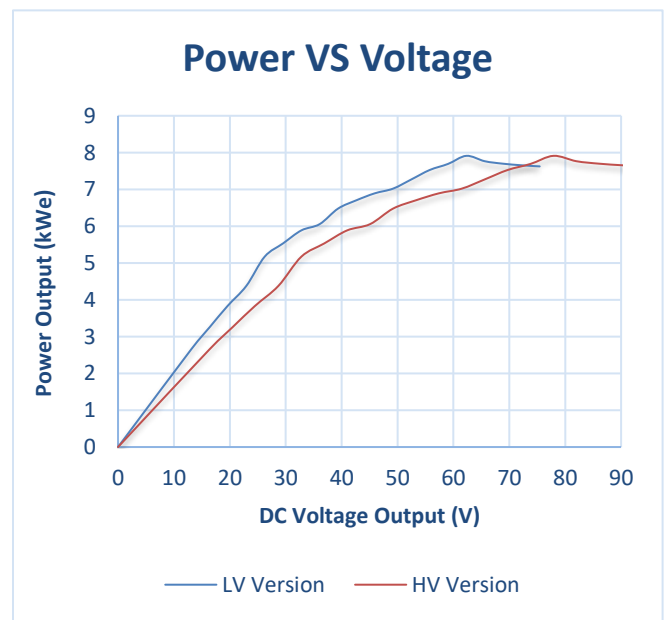
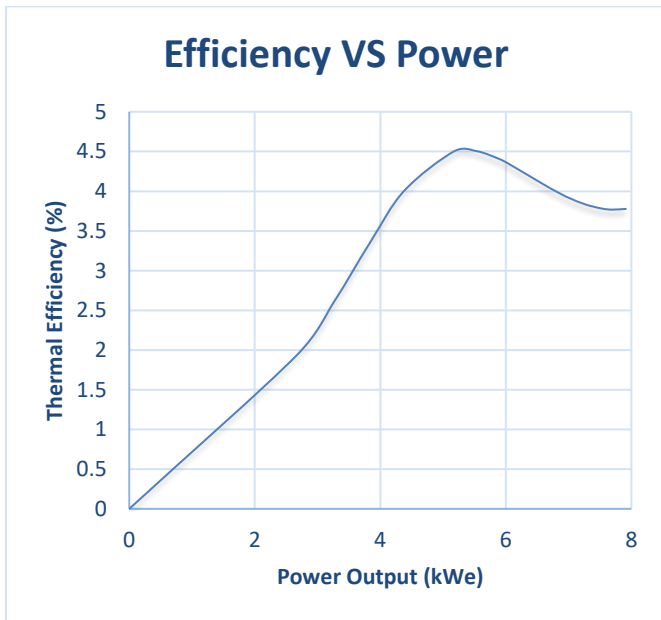
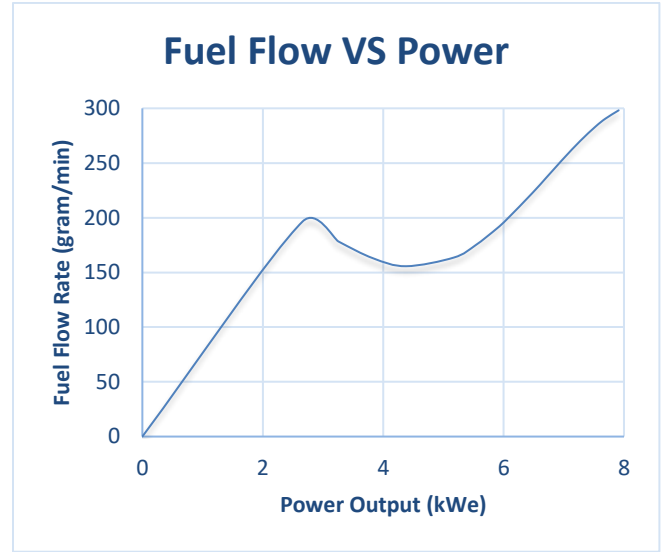
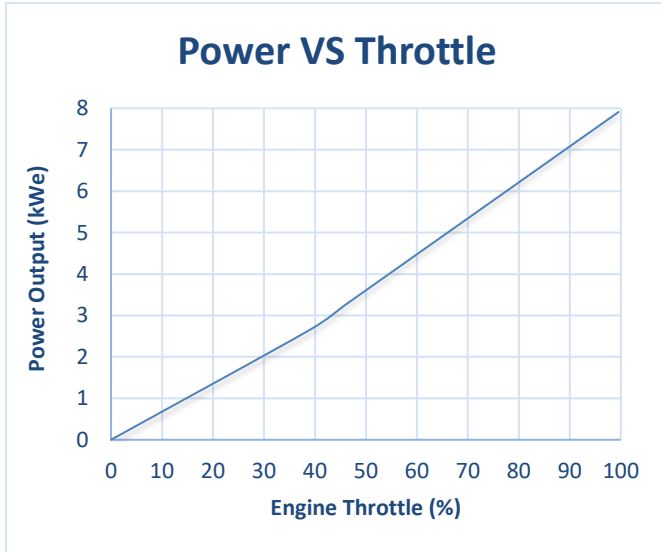
- ARC Generator
- Carrying Handle
- Armored Case
- Wired Remote Control
- AC Charger / Balancer
- Roll of 6mm Fuel Tubing
- Manual with Maintenance Instructions

ADD-ON ITEMS

(Shipped separately – contact us for price)

- Buffer tank (125mL)
- Primary Fuel Tank (20L)
- Custom paint-job (powder coat)
- Custom exhaust / intake solutions
- Customized firmware / electric interfaces

PERFORMANCE FIGURES



*Note: Actual performance may vary based on load type, environmental conditions, and fuel type.

