

SPECIFICATION SHEET



10kWe Peak Output

Micro Turbine Generator

February, 2026



CONFIGURATIONS:

ARC-S-LV • ARC-S-HV • ARC-A-LV • ARC-A-HV

Model	Description	Mass	Dimensions
ARC-S	Standard model, fully enclosed	25 lb (11.3 kg)	20.1 × 10.6 × 6.6 in (510 × 270 × 168 mm)
ARC-A	Aircraft model for integration	20 lb (9.3 kg)	18.1 × 8.6 × 6.0 in (460×218×152 mm)

Voltage	Description	Voltage Range	Current (max)
-LV	Low Voltage variant	15VDC - 75VDC	150A @ 65VDC
-HV	High Voltage variant	150VDC – 750VDC	15A @ 650VDC

FEATURES

Output	Filtered and Rectified DC
Fuel compatibility	Jet-A, JP-8, diesel, kerosene
Operation	Full Auto: Start / Restart / Fuel Prime / Cool-down
Controller	Fully reprogrammable
Battery	Internal start-up battery with self-recharging
Voltage control	Adjustable and fully governed output voltage
Delivery	Ready-to-use out of the box
Fuel Storage	External tank required

PERFORMANCE

Peak Power:	9.7 kWe
Start-up time:	30 seconds
Max Start-up Altitude:	6500 ft (2 km)
Max Operatig Altitude:	33,000 ft (10 km)
Noise Level:	95 dB
Max Fuel Flow Rate:	0.08 gal/min (0.3 L/min)
Max Ambient Temperature:	120 °F (50 °C)
Min Ambient Temperature:	14 °F (-10 °C) – requires battery heat-pack



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POWER PLANT

Prime Mover:	Microturbine Jet-Engine
Max Turbine Rotational Rate:	140,000 RPM
Max Alternator Rotational Rat:	10,000 RPM
Max Air Flow-rate:	35 CFM (1,000 L/min)
Exhaust Temperature:	1,200 °F (650 °C)
Maintenance Interval:	50 hours
Turbine Lifetime:	1,000 hours

INTERFACES

Fuel Supply / Return:	2 × ¼ in (6 mm) OD hose
Electrical Load:	2 × M6 studs for ¼ in (6 mm) ring terminals
Data / Control / Charger:	3 × JST 2.54 mm Ports

INCLUDED IN KIT

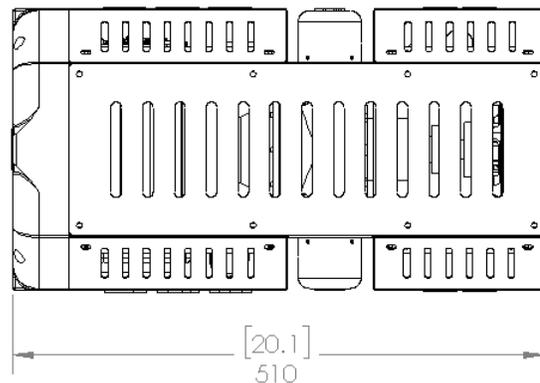
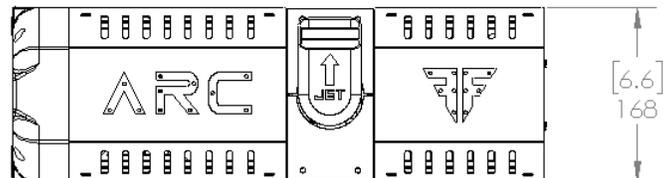
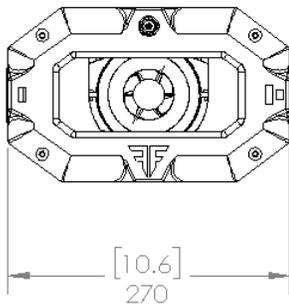
(comes with all models)

Wired Remote Control
Fuel Tubing & Power Leads
Detailed Manual & AC Charger

AVAILABLE OPTIONS

(contact us for price)

Fuel & buffer tanks
Exhaust/Inlet Customization
Firmware Configuration



Dimensions for ARC-S
(Dimension format: [in] mm)



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