

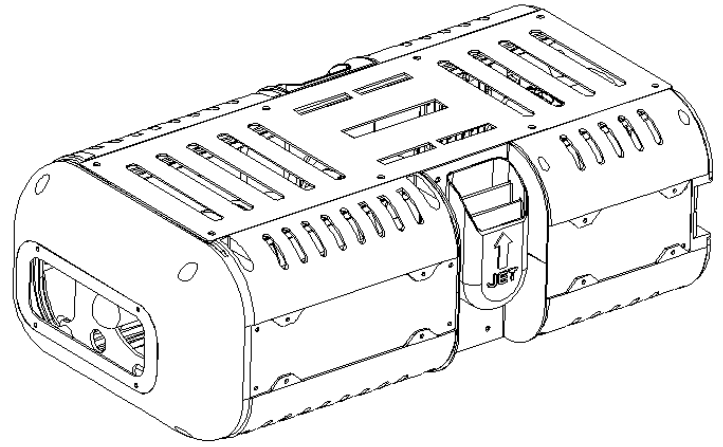
SPECIFICATION SHEET



10kWe Peak Output

Micro Turbine Generator

May, 2026



CONFIGURATIONS

Model	ARC-S-LV	ARC-S-HV	ARC-A-LV	ARC-A-HV
Weight	23.6 lb (10.7 kg)	23.6 lb (10.7 kg)	17.0 lb (7.7 kg)	17.0 lb (7.7 kg)
Voltage Range	15VDC - 75VDC	150VDC – 750VDC	15VDC - 75VDC	150VDC – 750VDC
Max Current	150A @ 65VDC	15A @ 650VDC	150 A @ 65VDC	15A @ 650VDC

FEATURES (Common to all Models)

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

DIMENSIONS

ARC-S (Standard)	20 × 11 × 7 in (510 × 270 × 168 mm)
ARC-A (No enclosure)	19 × 10 × 6 in (483 × 254 × 152 mm)

PERFORMANCE

Power (peak)	9.7 kWe
Turbine Rotational Rate (max)	140,000 RPM
Alternator Rotational Rate (max)	10,000 RPM
Startup Altitude (Max)	1.2 mi (2 km)
Operating Altitude (Max)	6 mi (10 km)
Max Ambient Temperature:	120 °F (50 °C)
Min Ambient Temperature:	14 °F (-10 °C) – requires battery pre-heater
Noise Level (max)	95 dB



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POWER PLANT

Prime Mover:	Microturbine Jet-Engine
Start-up time:	30 seconds
Fuel Flowrate (peak power):	0.08 gal/min (0.3 L/min)
Air Flowrate (peak power):	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 × 6 mm OD hose
Electrical Load:	2 × M6 studs
Data / Control / Charger:	3 x JST 2.54 mm Ports

INCLUDED IN KIT

(comes with all models)

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

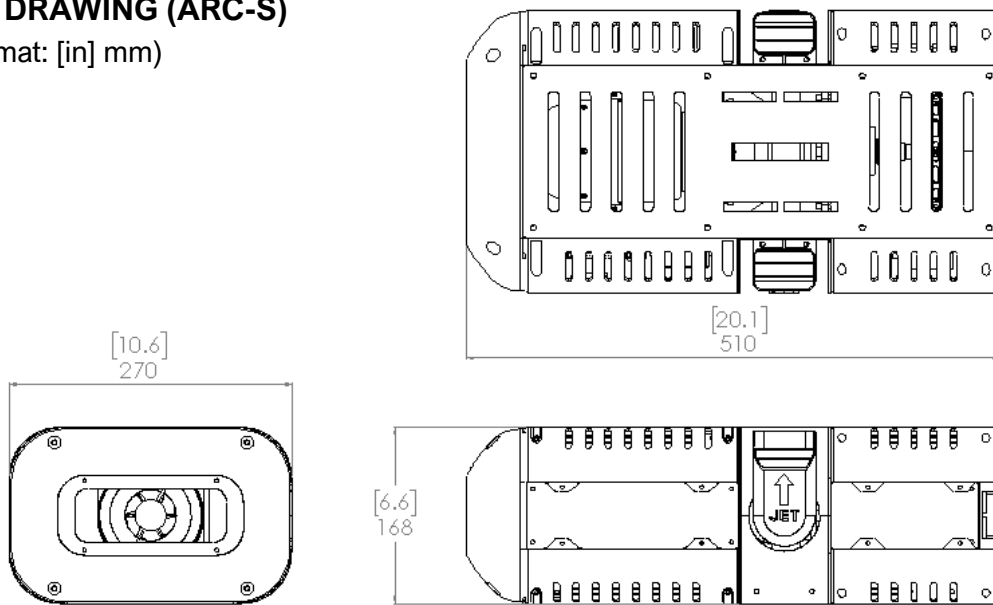
AVAILABLE OPTIONS

(contact us for price)

Custom Voltage Output
Exhaust/Inlet Customization
Firmware Configuration

ENGINEERING DRAWING (ARC-S)

(Dimensions Format: [in] mm)



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