

# Radically simple. Factory built.

The Mainspring Linear Generator runs on any fuel, is fully dispatchable, uses no water, and emits near-zero NOx. No other primary power solution can match the flexibility, affordability, and low emissions of a linear generator.

## ▲ PERFORMANCE SPECS: MODEL NO. MSE 3

<b>OUTPUTS<sup>1</sup></b>	Power (net AC)	250 kW
	Electrical	400/480 V, 3 Phase, 50/60 Hz
<b>INPUTS</b>	Fuels	Any blend of Biogas <sup>2</sup> , Natural Gas, Hydrogen, and Propane
	Input Pressure	5–20 psig (15 psig nominal)
	Water Consumption	None
<b>EFFICIENCY<sup>3</sup></b>	Electrical (LHV, net AC)	46%
	Heat Rate (HHV, net AC)	8,233 BTU/kWh
<b>EMISSIONS<sup>4</sup></b>	NOx	<1.5 ppm (<0.05 lb/MWh)
	Noise	<70 dBA @ 3m, <65 dBA @10m
<b>PHYSICAL</b>	Weight	20 tonnes
	Dimensions (L x W x H)	20.5' x 8.5' x 9.5'
<b>ENVIRONMENT</b>	Temperature Range	-30° to 50° C
	Humidity	0 to 100%
<b>OPERATIONS</b>	Power Output Range	0 to 100% power output
	Maximum Step Load	300 kVA for up to 10 sec
	Building Soft Start Capability	Yes
<b>OTHER</b>	UL 2200 package	Remote monitoring
	UL 1741 SB grid-tie inverter	Secure customer portal
	Compliant with CA Rule 21	Modbus interface

1. Rated capacity may vary by fuel type.

2. Refer to Mainspring Fuel Specifications for details.

3. Measured according to ASME PTC 50 at 15 C and 1 atm on natural gas and biogas. Rated efficiency may vary by fuel type.

4. Products comply with emissions limits in South Coast AQMD.

All data is subject to technical development and modification. R30312

## ▲ PRODUCT FEATURES

### 01 Fuel Flexible

Seamlessly switch between natural gas, RNG, biogas, propane, and hydrogen.

### 02 Dispatchable

Quickly ramp output to meet variable workloads and enable grid independent operations.

### 03 Low emissions

Produce electricity with near-zero NOx and meet even the most stringent air quality standards.

### 04 Modular

Enable faster deployment timelines with factory-built units that are quick to install.

### 05 Low maintenance

Minimize downtime with modular design, only two moving parts and no oil.



Up to 18 MW per acre scalability

Each package contains two linear generator cores, operated in tandem

