

Radically simple. Factory built.

The Mainspring Linear Generator is fuel-flexible, 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 Mainspring Linear Generator.



▲ PERFORMANCE SPECS: MODEL NO. MSE 3

| | | |
|-------------------------------|--------------------------------|---|
| OUTPUTS¹ | Power (net AC) | 250 kW |
| | Electrical | 400/480 V, 3-phase, 50/60 Hz |
| INPUTS² | Fuels | Any blend of biogas, natural gas, hydrogen, and propane |
| | Input pressure | 5–20 psig |
| | Water consumption | None |
| EFFICIENCY³ | Electrical (LHV, net AC) | 46% |
| | Heat rate (HHV, net AC) | 8,233 BTU/kWh |
| EMISSIONS⁴ | NOx | <1.5 ppm (<0.05 lb/MWh) |
| | Noise | <70 dBA @ 3m, <65 dBA @10m |
| PHYSICAL | Weight | 20 tonnes |
| | Dimensions (L x W x H) | 20.5' x 8.5' x 9.5' |
| | Power density | Up to 18 MW per acre |
| ENVIRONMENT | Temperature range | -30° to 50° C |
| | Humidity | 0 to 100% |
| OPERATIONS | Power output range | 0 to 100% power output |
| | Maximum load step / shed | 250 kVA |
| | Building soft start capability | Yes |
| OTHER | UL 2200 package | Remote monitoring |
| | UL 1741 SB grid-tie inverter | Secure customer portal |
| | Compliant with CA Rule 21 | Modbus interface |
| | Compliant with NOM Mexico | |

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. R30314

▲ 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.

