

# SureSource 3000

## 2.8 MEGAWATTS

### KEY FEATURES

- Predictable Power
- Highly Efficient
- Ultra-Clean
- Scalable
- Modest Footprint
- Quiet Operation
- Fuel Flexible

### APPLICATIONS

Comprised of two 1.4 megawatt (MW) modules, the SureSource 3000 generates 2.8 MW of ultra-clean power. The system is ideal for on-site applications including large universities, manufacturing facilities, wastewater treatment plants, or multi-plant fuel cell parks to support the electric grid.

### PERFORMANCE

#### Gross Power Output

Power @ Plant Rating	2,800 kW
Standard Output AC voltage	13,800 V
Standard Frequency	60 Hz
Optional Output AC Voltages	By Request
Optional Output Frequency	50 Hz

#### Efficiency

LHV	47 +/- 2 %
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#### Available Heat

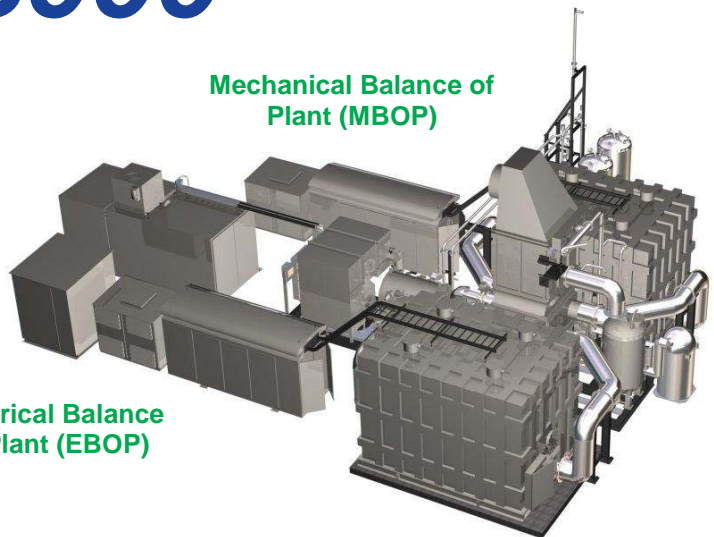
Exhaust Temperature	700 +/- 50 °F
Exhaust Flow	36,600 lb/h
Allowable Backpressure	5 iwc

#### Heat Energy Available for Recovery

(to 250 °F)	4,433,000 Btu/h
(to 120 °F)	7,460,000 Btu/h

#### Fuel Consumption

Natural gas (at 930 Btu/ft <sup>3</sup> )	362 scfm
Heat rate, LHV	7,260 Btu/kWh



**2.8 MW, 13.8 kVAC,  
3,110 kVA, 50 or 60 Hz**

**Fuel Cell Module**

#### Water Consumption

Average	9 gpm
Peak during WTS backflush	30 gpm

#### Water Discharge

Average	4.5 gpm
Peak during WTS backflush	30 gpm

#### Pollutant Emissions

NO <sub>x</sub>	0.01 lb/MWh
SO <sub>x</sub>	0.0001 lb/MWh
PM10	0.00002 lb/MWh

#### Greenhouse Gas Emissions

CO <sub>2</sub>	980 lb/MWh
CO <sub>2</sub> (with waste heat recovery)	520-680 lb/MWh

#### Sound Level

Standard	72 dB(A) at 10 feet
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# SPECIFICATIONS

## SureSource 3000

### WEIGHTS

#### Water Treatment Skid

20,000 lb

#### Main Process Skid

50,000 lb

#### Desulfurization

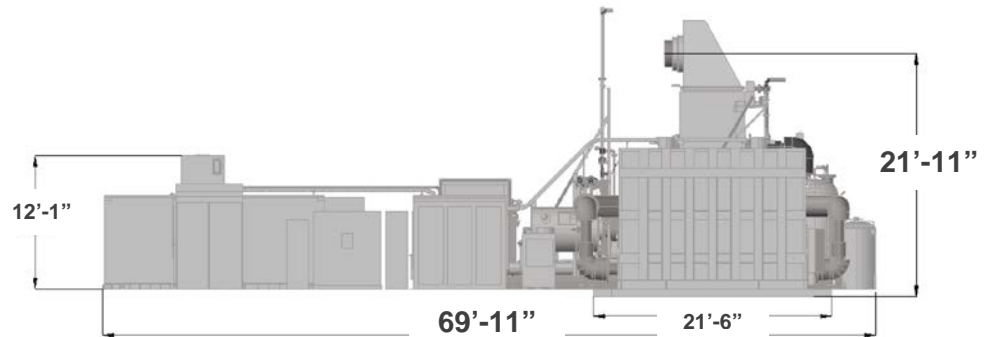
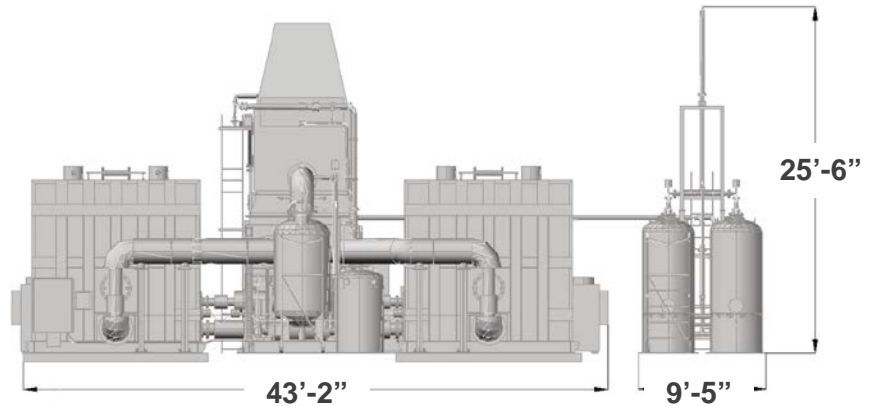
15,000 lb

#### Electrical Balance of Plant

52,000 lb

#### Fuel Cell Module

107,000 lb (each module)



### ABOUT FUELCELL ENERGY

FuelCell Energy (NASDAQ: FCEL) delivers efficient, affordable and clean solutions for the supply, recovery and storage of energy. We design, manufacture, undertake project development, install, operate and maintain megawatt-scale fuel cell systems, serving utilities, industrial and large municipal power users with solutions that include both utility-scale and on-site power generation, carbon capture, local hydrogen production for transportation and industry, and long duration energy storage. With SureSource installations on three continents and millions of megawatt hours of ultra-clean power produced, FuelCell Energy is a global leader with environmentally responsible power solutions.