

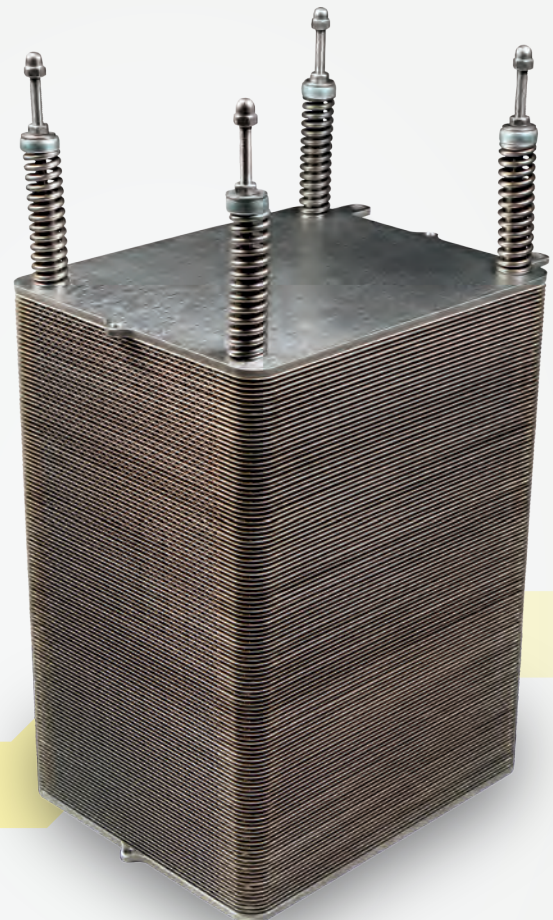
# New E3000 G2 - SOFC / SOEC stack for high volumes

elcoStack® incorporates 100+ elcoCells®, designed for use in a wide range of commercial applications. This reversible solid oxide stack technology enables high efficiency power generation or hydrogen production. elcoStack® delivers best-in-class efficiency in both fuel cell and electrolyser modes.

The new **E3000 G2** delivers a longer operational lifetime, with a slower degradation rate, and better resistance to wear over time, improving long-term system reliability.

The stack operates efficiently across a wider load range, with strong partial-load efficiency and stable performance under thermal and load cycling, ensuring consistency under dynamic operating conditions.

A simplified, manufacturing-ready design reduces cost per kW and establishes a clear pathway to further cost reductions through mass production.



## Hydrogen production at

30% less than with alternative technologies

# 33 kWh/kg

## Fuel cell max electrical efficiency

About twice as efficiently as a combustion engine

# 75%

## Operating temperature

150°C lower than other solid oxide cell technologies

# 650 °C



Interested? Get in touch:  
[sales@elcogen.com](mailto:sales@elcogen.com)

## Additional technical data

<u>elcoStack E3000 G2</u>	<u>Fuel Cell (SOFC)</u>	<u>Electrolysis (SOEC)</u>
Power	3000 W output	9000 W input
Hydrogen Production Rate	-	3 Nm <sup>3</sup> per hour
Voltage	83 - 112 V	142 - 180 V
Maximum Current	30 A	60.5 A
Operating Temperature	570 - 720 °C	650 - 720 °C
Size	189(W) x 230(L) x 283(H) mm	
Weight	33 kg	

### Core energy technology built for any application:

- Commercial, Industrial Power & Combined Heat and Power (CHP)
- Data Centres & Critical Infrastructure
- Off-grid & Residential
- Power Generation at Any Scale
- Long-range Transportation
- Hydrogen Production, Power-to-X & Co-electrolysis
- Green Steel & Industrial Decarbonisation
- Reversible SOC Energy Storage
- Biogas & Carbon-neutral Power



## Elcogen's brand new factory, expanding production capacity to 360 MW:

