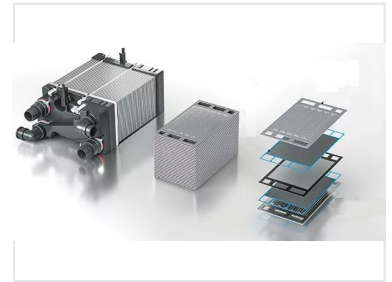


# Fuel Cell Stack for Hydrogen Conversion

This fuel cell converts the chemical energy from a fuel, such as hydrogen, into electricity through an electrochemical reaction. Multiple cells are connected in series to increase the overall voltage output, making it suitable for renewable energy resources.



## Product Overview

### High-Performance Hydrogen Fuel Cell Stack

This advanced fuel cell stack is engineered for high-efficiency energy conversion, transforming chemical energy from hydrogen into electrical power through an electrochemical reaction. Designed with a compact, modular architecture, it features a power density of 3.5kW/L and is built to withstand diverse environmental conditions. Ideal for renewable energy applications, this stack ensures reliable performance across a wide temperature range.

## Performance Metrics

### Rated Power Output

**60 kW**

Rated Power

### Power Density

3.5 kW/L

## Operating Conditions

### Operating Temperature

-30 to 75

## Technical Construction

### Key Components

- Bipolar Plates
- Membrane Electrode Assembly (MEA)
- Gas Diffusion Layers (GDL)
- Fluid Connectors