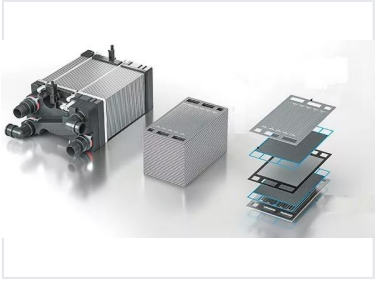
Fuel Cell Stack for Hydrogen Conversion

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