

Light Weight Fuel Cell System With H₂ Mixture

Introduction

This hydrogen fuel cell system uses novel metal bipolar plate combined with high-performance membrane and gas diffusion layer for power generation even with H₂ mixture. With the patented high corrosion-resistant carbon layer coating, this fuel cell system achieves light weight and extended service life.



50 kW fuel cell system using industry H₂ bi-products

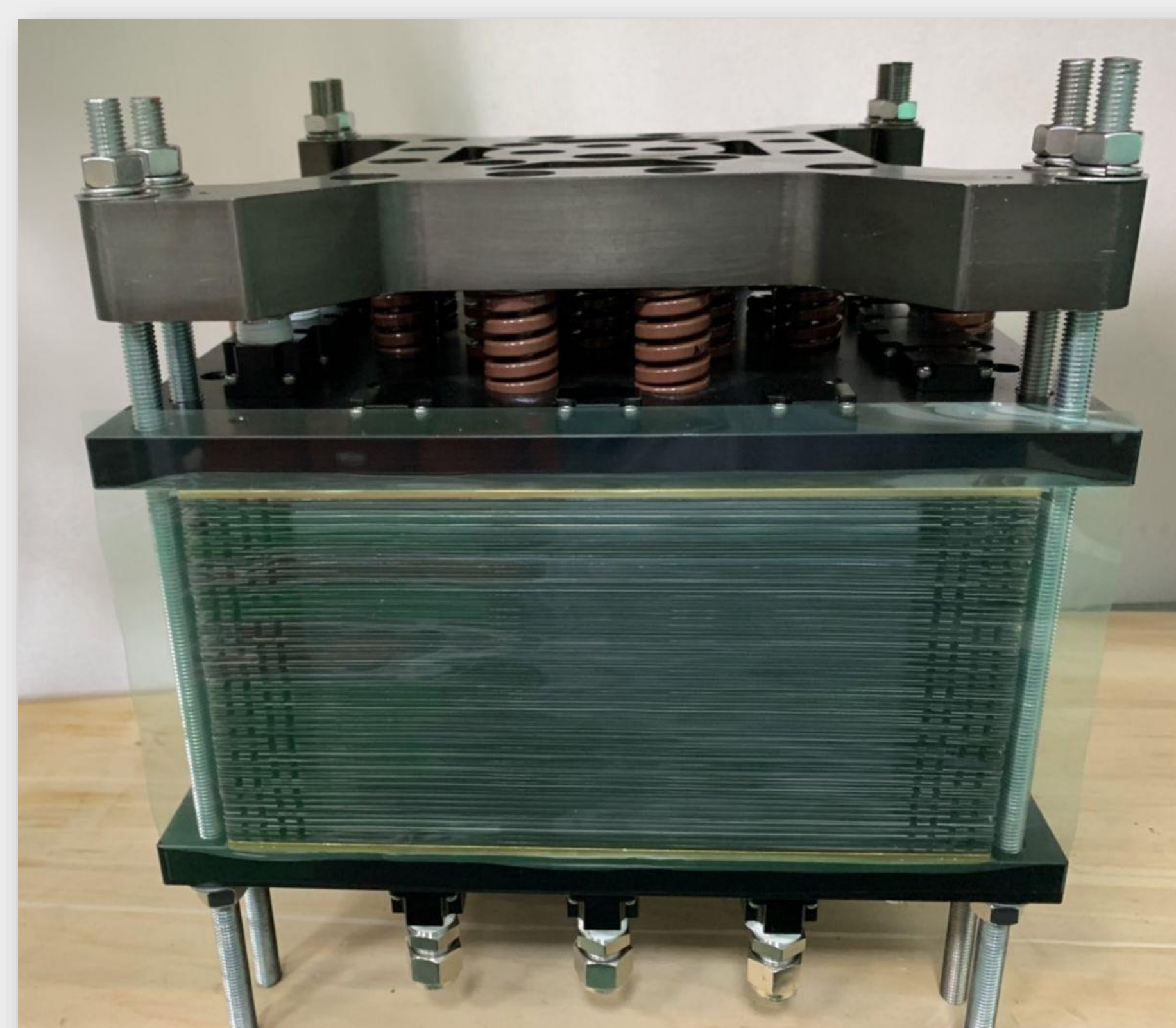


Light weight fuel cell with metal bipolar plate

Key features

- Can use mixture of hydrogen and nitrogen in different concentration ratio as fuel without pre-stage PSA purifier
- Utilize the residual hydrogen for power generation in semiconductor/petrochemical factory
- Applicable to factory and heavy-duty transportation vehicles with the modular design

Material: 0.18 mm metal plate
Power density: 2.1 kW/L



Fuel cell in large scale