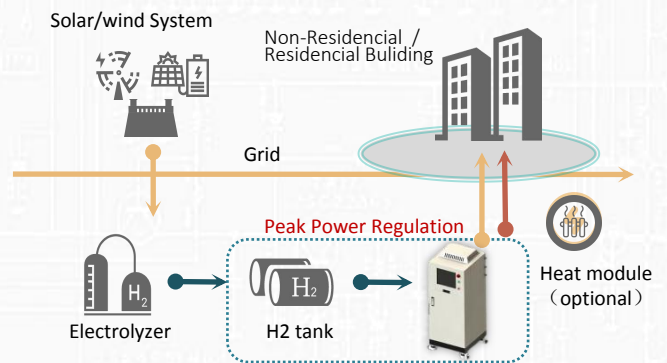
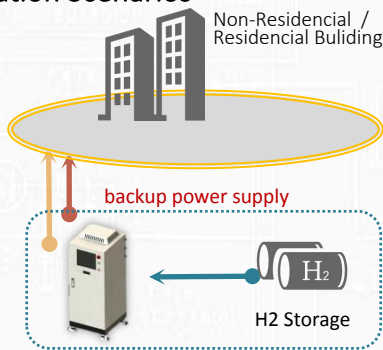


CarNeu Series Small Size Pure Hydrogen Fuel Cell CHP System

CarNeu-5 pure hydrogen type fuel cell CHP systems consume pure hydrogen to supply zero-emission electrical energy and heat energy. Coupled with hydrogen produced by small solar/wind system, the system provides 5kw electrical energy and 4.8kw thermal energy, they can be installed for multi-family houses and small commercial buildings, etc. Besides, combined with hydrogen storage, they also can be used as backup power supply.

Application Scenarios



Backup power supply solution:

With H₂ of high energy density and unaffected by temperature, hydrogen fuel cell power plant can be used in the application such as data centers, island communication base stations, etc.

Constant power and heat supply solution (coupled with solar/wind System to produce H₂):

Via hydrogen storage and our fuel cell CHP system, the defects of solar/wind system- instability and low time efficiency are compensated. It helps to expand the application scenarios of renewable energy over time.

Carbon reduction analysis

CarNeu-5 runs 8,000 hours a year and produces clean energy with zero carbon emissions. Just from the electric energy point of view. Compared with traditional coal power generation, it can reduce carbon dioxide emissions by 60 tons per year.

Compared with traditional coal power generation emission

CarNeu-5 reduce annual carbon emission

60 T 

Technical Parameters

Model No.	CarNeu-5
Application Scenarios	households / small commercial use
Output Power usage mode	Off-grid / On-grid
Output Power Voltage	48V / 380VAC (or custom design)
Output power net watts	5kw
Output heat watts	4.8kW/ 3.9kW
fuel	H ₂ of 99.97% purity (ISO14687 standard)
Fuel consumption	59L/min/53L/min
Electrical efficiency	47% / 51%
Output hot-water	60°C @110KG /h*
Starting time	<10s
Dimensions(L*W*H)	0.9x0.75x1.6m

 CARNEU5



* Based on water temp. difference at 30°C