

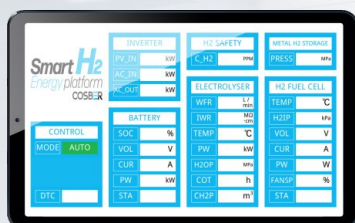
Hydrogen Power Cube

HPC - M

HPC-M with low-power hydrogen energy storage and power generation (300W), support photovoltaic power or grid power supply, and can be applied to scenarios such as home/industry emergency power supply.

Operation interface

The interface after turning on is shown in the figure as below:



high energy efficiency

low noise

low energy consumption

mobile backup power supply



Technical Data

HPC-M	Item	Parameter
Hydrogen Production Unit	Electrolyser type	PEM
	Hydrogen production capacity	1.5 kW
	Hydrogen purity	99.99%
	Output pressure	30 bar
	Safely vent pressure	40 bar
Hydrogen Storage Unit	Hydrogen storage	Metal H ₂ storage
	Storage capacity	≥320 g
	Output pressure	0~30 bar
	Hydrogen output pressure	50~60 kPa
	Safely vent pressure	40 bar
Power Generation Unit	Fuel cell rated power	≥300 W
	Rated output pressure	48 V
	Hydrogen input pressure	50~60 kPa
Inverter	AC output power	5500 W
	Rated AC output voltage	230 Vac
	AC output frequency	50/60 Hz
	PV maximum input power	6000 W
Lithium-ion Battery	Battery capacity	5.12 kWh
	Working pressure	43.2~58.4 V
Overall	Dimension	600x1000x1600 mm
	Communication interface	RS485

Application Scenarios

