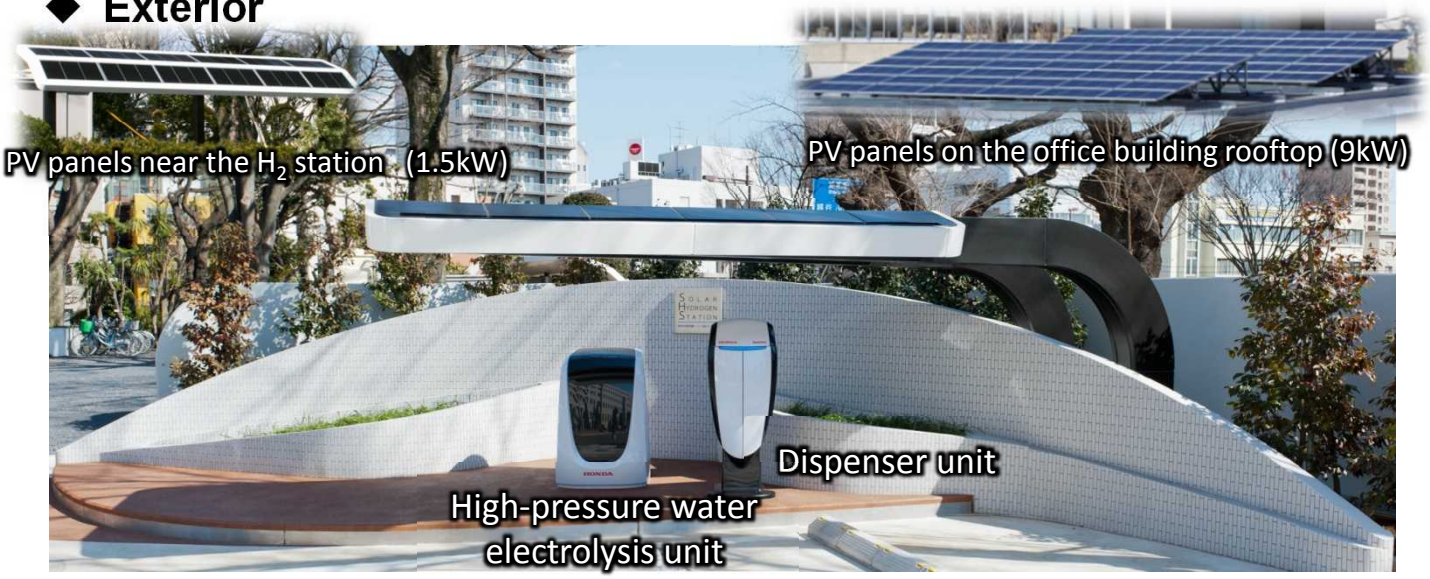
BLUE SKIES FOR OUR CHILDREN

Government initiative with industry funded by Ministry of the Environment
～Solar Hydrogen Station (SHS)～

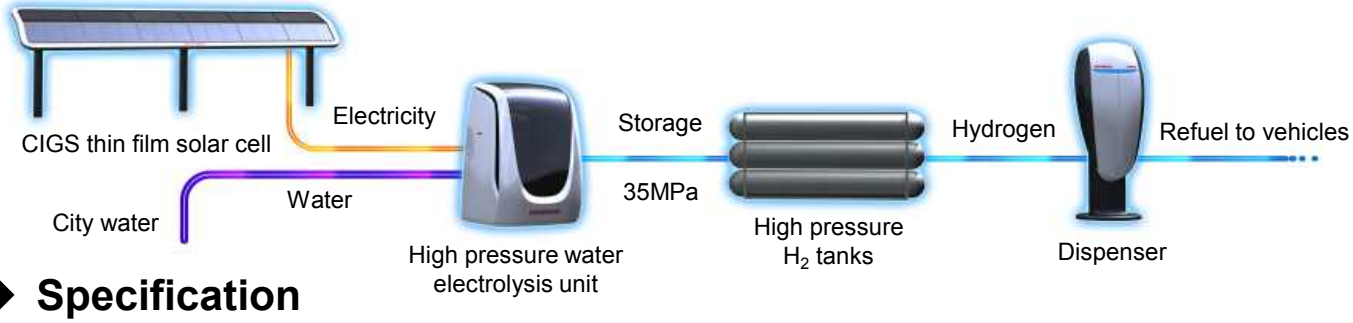
JAPAN 1st

- Generate clean "zero CO_2" hydrogen by solar power
- A differential high pressure water electrolyzer contributes the small size, high efficiency and noiseless system
- Directly provide high-pressure hydrogen at 35MPa without a mechanical compressor
- Easy operation, just attach the hose to a vehicle and start filling from the touch panel
- Distributed solar hydrogen station, which is capable of filling three FCX Clarity's

◆ Exterior



◆ System schematic



◆ Specification

Hydrogen production	Maximum production	1.5kg/day (0.7Nm^3/h)
	Maximum pressure	35MPa
	Storage	Approx. 20kg at 20degC (92liter tank x9)
	Purity	> 99.99%
Feature	Solar cell	9.0kW array (Office building rooftop) 1.5kW array (Near the H_2 station)
	Electrolyzer	Differential high pressure water electrolysis
	Refueling method	Fast fill (Cascade fill with three banks)
	Utility	200VAC / City water
Size of electrolysis unit		Approx. 0.37m^3

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The Power of Dreams

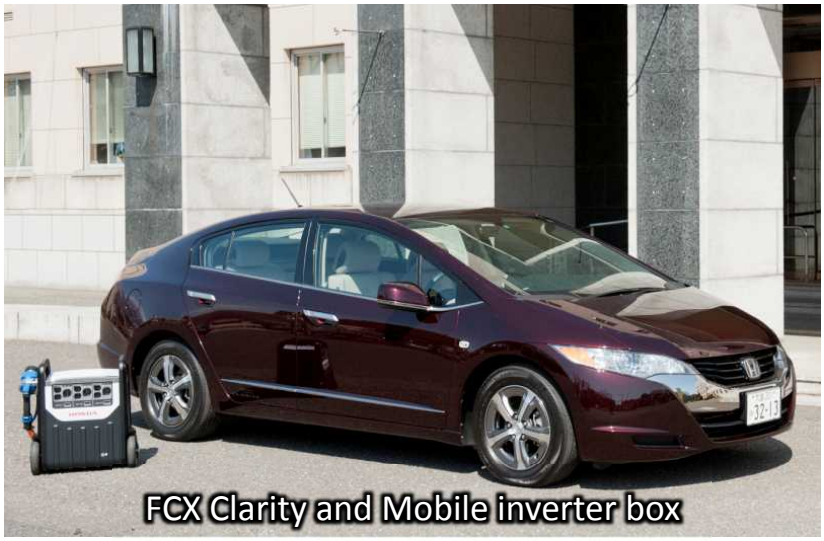
Government initiative with industry funded by Ministry of the Environment

～FCX Clarity with external power supply system～

FCEV 1st

- Provide 9kW (max) of power by using the mobile inverter box
- Capable of supplying the power continuously for 7 hours at 9kW, corresponding approximately to 6 day's demand for a typical household
- Work as an emergency power supply for a disaster area and such, where have a large demand
- With the large power capacity, possible to help out neighbors in an emergency

◆ Feature



How to supply the power

◆ System schematic

Connect Inv. Box to FCX → IG On → Power supply

FCX Clarity with external power supply system

Mobile inverter box

Emergency power at a disaster area and the like

◆ Specification

Mobile inverter box

Standard Functions	Vehicle	FCX Clarity (JPN Spec.)
	AC output	9kW (100V/30A x 3 lines)
	Run time per FCX tankful	7hrs at 9kW (continuous) or 6days at a demand for a typical household
Converter	Type	Inverter (portable)
Equipment	Receptacles	15A x 6 or 30A x 3
	Indicators	Power on, Overload protection
Dimensions (H x W x D), Wt.		628/623/368 mm, 49.5kg

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