

The product provides the following key features:

- Ideal module designed to integrate for transportation, stationary and decentralized generator application
- Water-cooling platform with higher stack efficiency, useful head recovery and longer lifetime
- Capable to be integrated in parallel/series fuel cell system
- Carbon emission free and environmentally friendly power generator
- Safety design following CSA Fuel Cell Safety (FC 1-2012) and European Conformity (CE) EN 62282-3-100 and EMC directive



Product Specification / Model No.		WGH-5010	WGH-7510	WGH-9510	WGH-12010
Basic	Product Description	Fuel Cell Power Module	Fuel Cell Power Module	Fuel Cell Power Module	Fuel Cell Power Module
	Max Stack Output Power	4kW	6kW	8kW	10kW
Output	Voltage	30~50V	45~75V	57~95V	72.5~120V
	Current	135A	135A	135A	135A
Input	Input Voltage	48V	48V	48V	48V
	Hydrogen Purity Requirement	>99.95%	>99.95%	>99.95%	>99.95%
Fuel Requirement	Operating Fuel Pressure	100 psi(6.8bar)	100 psi(6.8bar)	100 psi(6.8bar)	100 psi(6.8bar)
	Hydrogen Working Pressure	44~120 psi(3~8.2 bar)	44~120 psi(3~8.2 bar)	44~120 psi(3~8.2 bar)	44~120 psi(3~8.2 bar)
	Oxidant Composition	Air	Air	Air	Air
	Oxidant Humidity	0~100 %RH	0~100 %RH	0~100 %RH	0~100 %RH
Mechanical Info	Outer Dimensions	L70 x W50 x H40 cm (27.5 x 19.6 x 15.7 in.)	L70 x W50 x H40 cm (27.5 x 19.6 x 15.7 in.)	L70 x W50 x H40 cm (27.5 x 19.6 x 15.7 in.)	L70.5 x W42 x H60 cm (27.7 x 16.5 x 23.6 in.)
	Weight	40 kg	50 kg	50 kg	60 kg
	Cooling Type	Water Cooling	Water Cooling	Water Cooling	Water Cooling
Environment Requirement	Ambient Temperature Storage	0~50°C	0~50°C	0~50°C	0~50°C
	Normal Working Temperature	5~40°C	5~40°C	5~40°C	5~40°C
	Humidity	0~100 %RH	0~100 %RH	0~100 %RH	0~100 %RH
Operation Efficiency	Hydrogen Consumption	752 Liter / kW-hr	752 Liter / kW-hr	752 Liter / kW-hr	752 Liter / kW-hr
	Fuel Cell Stack Efficiency (LHV)	>50%	>50%	>50%	>50%
	Noise	<65dB	<65dB	<65dB	<65dB
Others	LCD Data Display	Yes	Yes	Yes	Yes
	System Start-up Time	10 sec.	10 sec.	10 sec.	10 sec.

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