

The product provides the following key features:

- Designed to integrate into application such as mobile, stations and transportation power generation; function as UPS or APU
- Carbon emission free and environmentally friendly
- Designed to meet CSA Fuel Cell Safety (FC 1-2012) and European Conformity (CE) EN 62282-3-100 and EMC directive (EN 61000-6-1 & EN 62040-2)



Product Specification / Model No.		LPH-3622	LPH-5622	LPH-8022
Basic	Product Description	Fuel Cell Power Module	Fuel Cell Power Module	Fuel Cell Power Module
	Max Stack Output Power	1.3kW	2.2kW	3.2kW
Output	Voltage	19~36V	30~56V	42~80V
	Current	65A	65A	65A
Input	Input Voltage	24V	24V	24V
	Hydrogen Purity Requirement	>99.95%	>99.95%	>99.95%
Fuel Requirement	Operating Fuel Pressure	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)
	Oxidant Composition	Air	Air	Air
	Oxidant Humidity	0~100 %RH	0~100 %RH	0~100 %RH
Mechanical Info	Outer Dimensions	L54 x W42 x H36 cm (21.2 x 16.5 x 14.2 in.)	L65 x W42 x H36 cm (25.6 x 16.5 x 14.2 in.)	L80 x W42 x H36 cm (31.5 x 16.5 x 14.2 in.)
	Weight	27 kg	31 kg	35 kg
	Cooling Type	Air Cooling	Air Cooling	Air Cooling
Environment Requirement	Ambient Temperature Storage	-20~50°C	-20~50°C	-20~50°C
	Normal Working Temperature	-5~35°C	-5~35°C	-5~35°C
	Humidity	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
	Fuel Cell Stack Efficiency (LHV)	>50%	>50%	>50%
	Noise	<65dB	<65dB	<65dB
Others	LCD Data Display	Yes	Yes	Yes
	System Start-up Time	10 sec.	10 sec.	10 sec.

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