

**The product provides the following key features:**

- Designed for sites requiring high quality electricity supply and power stability
- Optional dual AC & DC outputs are available
- Remote monitoring platform with user friendly interface
- Carbon emission free and environmentally friendly power generator
- 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.		UTH-0321	UTH-0620	UTH-0621	UTH-1020
	Product Description	Fuel Cell Power Generator	Fuel Cell Power Generator	Fuel Cell Power Generator	Fuel Cell Power Generator
Basic	Max Output Power	3kW	6kW	6kW	10kW
	Continuous Operation <sup>1</sup>	2.8kW	5.6kW	5.6kW	9.4kW
Output	Output Current and Voltage	60A@48Vdc	120A@48Vdc	120A@48Vdc	200A@48Vdc
Input	Input Voltage	48Vdc	48Vdc	48Vdc	220~240Vac
	Frequency	-	-	-	50/60Hz
	Rated Input Current	< 2A	< 2A	< 2A	2A
Fuel Requirement	Hydrogen Purity Requirement	>99.95%	>99.95%	>99.95%	>99.95%
	Operating Fuel Pressure	100 psi (6.8 bar)	100 psi (6.8 bar)	100 psi (6.8 bar)	100 psi (6.8 bar)
	Fuel Working Pressure	80~120 psi(5.4~8.2 bar)	80~120 psi(5.4~8.2 bar)	80~120 psi(5.4~8.2 bar)	80~120 psi(5.4~8.2 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	L110 x W70 x H180 cm (43.3 x 27.5 x 70.8 in.)	L177 x W60.6 x H165.4 cm (69.6 x 23.8 x 65.1 in.)	L110 x W70 x H180 cm (43.3 x 27.5 x 70.8 in.)	L120 x W60.6 x H194.7 cm (47.2 x 23.8 x 76.6 in.)
	Weight <sup>2</sup>	250 kg	650 kg	300 kg	360 kg
	Cooling Type	Air Cooling	Air Cooling	Air Cooling	Air Cooling
Environment Requirement	Ambient Temperature Storage <sup>3</sup>	-20~50°C	0~50°C	-20~50°C	0~50°C
	Normal Working Temperature	-10~40°C	0~40°C	-10~40°C	0~40°C
	Humidity	0~95 %RH	0~95 %RH	0~95 %RH	0~95 %RH
Operation Efficiency	Hydrogen Consumption	752 Liter / kW-hr	752 Liter / kW-hr	752 Liter / kW-hr	752 Liter / kW-hr
	Fuel Cell Efficiency (LHV)	>40%	>40%	>40%	>40%
	Noise	<65dB	<65dB	<65dB	<65dB
Others	Remote Monitor	3G Network	3G Network	3G Network	3G Network
	System Start-up Time	20 sec.	20 sec.	20 sec.	20 sec.

<sup>1</sup> Continuous operation is a guide for assisting fuel cell system selection  
<sup>2</sup> No battery inside, weight does not include battery

<sup>3</sup> Performance derating when temperature is below -5°C and above 35°C (30%)  
 \*UTH-0620 and UTH-1020 are for indoor installation

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