

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

- Ideal system for residential backup, especially suitable for remote industrial application
- All-in-one total solution as alternative energy storage system (Photovoltaic, wind or grid power)
- Optional dual AC & DC outputs are available
- Remote monitoring platform with user friendly interface
- Customization of specification available
- Carbon emission free and environmentally friendly power generator
- Designed to meet European Conformity (CE) EN 62282-3-100 and EMC directive



Product Specification / Model No.		UEH-0111		UEH-0311
	Product Description	Energy Storage & Fuel Cell Power Generator		Energy Storage & Fuel Cell Power Generator
Basic	Max Output Power	1kW		3kW
	Continuous Operation <sup>1</sup>	850W		2.8kW
Output	Output Current and Voltage	20A@48Vdc		60A@48Vdc
Input	Hydrogen Production Voltage	220~240Vac	48Vdc	220~240Vac
	Frequency	50/60Hz	-	50/60Hz
	Rated Input Current	3A	16A	13A
Fuel Requirement	System Standby Voltage	48V		48V
	System Standby Current	<2A		<2A
	Hydrogen Input Pressure	44~120 psi(3~8.2 bar)		44~120 psi(3~8.2 bar)
	Oxidant Composition	Air		Air
	Oxidant Humidity	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.)		L110 x W70 x H180 cm (43.3 x 27.5 x 70.8 in.)
	Weight	250 kg		380 kg
	Cooling Type	Air Cooling		Air Cooling
Environment Requirement	Ambient Temperature Storage <sup>2</sup>	-20~50°C		-20~50°C
	Normal Working Temperature <sup>3</sup>	-10~40°C		-10~40°C
	Humidity	0~95 %RH		0~95 %RH
Operation Efficiency	Hydrogen Consumption	752 Liter / kW-hr		752 Liter / kW-hr
	Fuel Cell Efficiency (LHV)	>40%		>40%
	Noise	<65dB		<65dB
Others	Remote Monitor	3G Network		3G Network
	System Start-up Time	20 sec.		20 sec.

<sup>1</sup> Continuous operation is a guide for assisting fuel cell system selection

<sup>2</sup> Cold standby (-20~0°C) requires 9A@220Vac for internal heating

<sup>3</sup> Performance derating when temperature is below -5°C and above 35°C (30%)

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