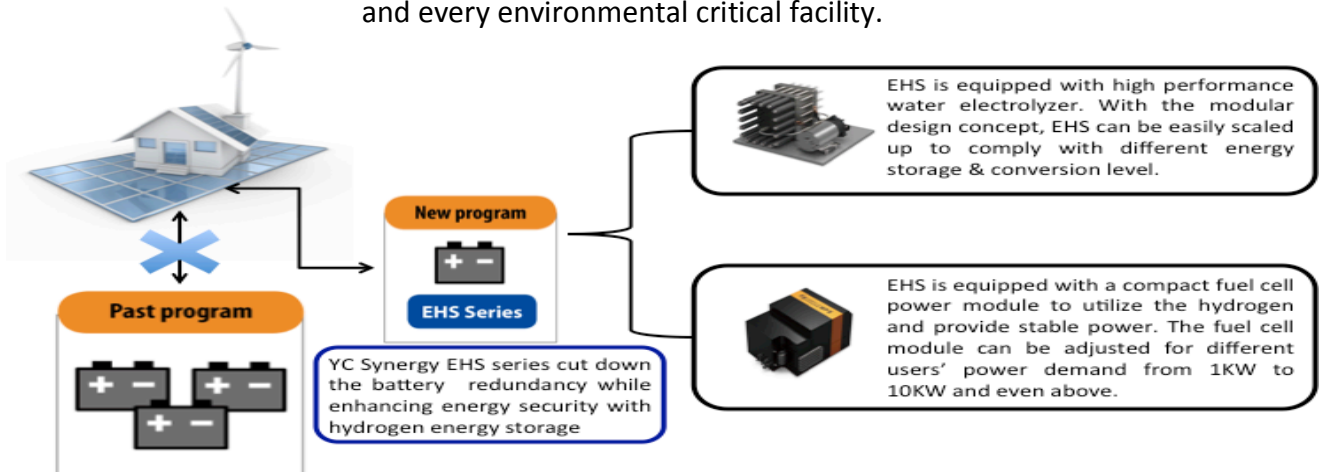


# EHS-001



**Energy Harvesting System (EHS)** is a highly integrated energy storage and conversion system for storing intermittent renewable energy, and for providing stable and reliable electricity when needed. EHS provides superior energy storage function when working with independent power supply systems in remote areas, such as off-grid solar or wind system. The EHS can support the battery-based conventional energy storage system as the back-up power for unpredictable weather and grid condition. EHS perfectly integrates hydrogen electrolyzer module, fuel cell module, power conditioning system, control module and every auxiliary components needed to generate and utilize the hydrogen as the energy storage medium. With the ability of storing large amount of energy with minimum cost and minimum self-discharging, EHS also provide high quality uninterruptible power for applications such as telecommunication, CCTV, traffic light control, wildlife observation post and every environmental critical facility.



Model : EHS-001			
<b>Power Performance</b>		<b>Hydrogen Production</b>	
<b>Power Output</b>	Rated 1000 Watt	<b>Input Voltage Range</b>	19~72VDC
	Max 1500 Watt	<b>Hydrogen Production Rate</b>	100 NL/h
<b>Output Voltage</b>	Rated 24Vdc	<b>Water Consumption</b>	75 gr/h
<b>Cold Start-up</b>	5 second	<b>Hydrogen Pressure</b>	0~16 barg
<b>System Features</b>		<b>Operation Condition</b>	
<b>Cooling Type</b>	Air Cooling	<b>Ambient Temperature</b>	10-40°C
<b>Noise</b>	< 65dB	<b>Water Quality</b>	De-ionized Water (Conductivity @ 25°C: 5-10µs/cm)
<b>Dimensions</b>	L57 W 50 H110cm		
<b>Weight</b>	80Kg		

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