

# HW-50



<b>Specification and technical data</b>	
Type	Proton Exchange Membrane (PEM)
Fuel	High Purity Hydrogen
Oxidant	Oxygen (from air)
Cooling	Air (Forced Ventilation)
Ventilation	Air Fan
H2 Pressure	250 mbar relative
Fuel Cell Stack	2 stacks 25SR4-C
Reaction Area	3.8 cm <sup>2</sup> per MEA
Working Temperature	30 to 40° C
H2 Consumption (Estimated) – 60L of H2 per Hour at Nominal power	
Autonomy at nominal power	140 hours – 9 m <sup>3</sup> NH <sub>2</sub> Tank
<b>Electrical Features</b>	
Nominal Power (Net)	50 W
Volume Power Density (Stack)	45 mW/cm <sup>3</sup>
Estimated Lifetime	1000 h
<b>Modes (Optional)</b>	
Battery Charger	12V/ 24V
Stabilized Voltage	12V/ 24V
<b>Other Features</b>	
Dimensions	325x265x265 mm
Weight	2 Kg
Room Temperature	Between 5 and 40° C