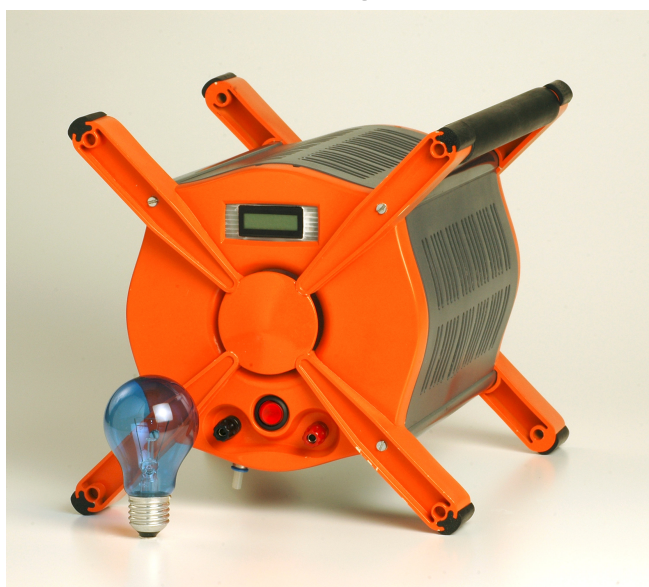


HW-125



Specification and technical data

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	1 stack 100SR4-C
Reaction Area	3.8 cm ² per MEA
Working Temperature	30 to 40° C
H2 Consumption (Estimated)	– 120L of H ₂ per Hour at Nominal power
Autonomy at nominal power	72 hours – 9 m ³ NH ₂ Tank
Electrical Features	
Nominal Power (Net)	100 W
Volume Power Density (Stack)	90 mW/cm ³
Estimated Lifetime	1000 h
Modes (Optional)	
Battery Charger	12V/ 24V/ 48V
Stabilized Voltage	12V/ 24V/ 48V
Other Features	
Dimensions	325x265x265 mm
Weight	2 Kg
Room Temperature	Between 5 and 40° C