

# FCgen<sup>®</sup>-H2PM Outdoor Compact Enclosure

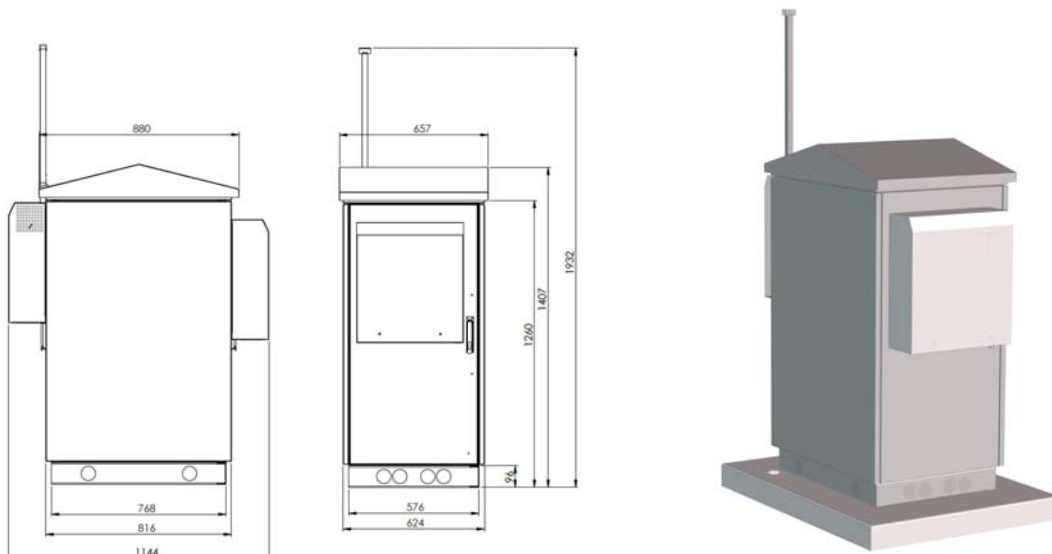
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## Description

The FCgen<sup>®</sup>-H2PM Outdoor Compact Enclosure is designed by Ballard to contain the FCgen<sup>®</sup>-H2PM 1.7 kW or the FCgen<sup>®</sup>-H2PM 5.0 kW fuel cell module and UltraCap module. The FCgen<sup>®</sup>-H2PM Outdoor Compact Enclosure is constructed of corrosion resistant steel with high quality exterior zinc and powder coating. The enclosure weighs 110 kg (243 lbs.) without the FCgen<sup>®</sup>-H2PM system and UltraCaps. It is possible to couple up to 12 FCgen<sup>®</sup>-H2PM 5kW Outdoor Compact Enclosures in parallel to meet power output requirements. The enclosure can be installed on a concrete pad or a concrete pavers. Cabling is done through the included cable gland in the enclosure bottom plate. There are two required areas of clearance for the FCgen<sup>®</sup>-H2PM System to operate properly - in front and behind the system for air intake/exhaust and service maintenance of the system (e.g. exchange of enclosure air intake filter). No clearance requirements are assigned to the sides of the system. Clearance requirements are to be determined by the customer. Note, EN 62282-3-300 Installation. The FCgen<sup>®</sup>-H2PM System is intended to be installed as a backup DC power supply to the rectifiers typically installed in a telecommunications system. The FCgen<sup>®</sup>-H2PM Outdoor System senses the voltage at its power terminals and will instantly start when the voltage drops to the user settable start voltage. It is recommended to include a cabinet heater, to avoid freezing or condensation inside the enclosure.

The Valve Block is integrated in the enclosure and connect out of the back to a separate hydrogen storage.

Options: Insulation, Fan heater and Sun Roof are optional extra for the FCgen<sup>®</sup>-H2PM Outdoor Compact Enclosure.



# Product Specification

Specification	Value
Shelter (WxDxH)	624 x 1144 x 1260 mm (H: 1932 mm incl. Purge Pipe)
Shelter Weight	110 kg (243 lbs.) without FCgen <sup>®</sup> -H2PM system and UltraCaps
Color	RAL 7035
Enclosure Material	Corrosion resistant steel with high quality exterior zinc and powder coating
Electrical Installation	Distribution Panel integrated inside the Enclosure for customer connections
Certifications	CE
Corrosion Class	C3 Medium
Options	Description
Heater, PTC Fan Heater	400 W, 230VAC
Insulation Kit	FCgen <sup>®</sup> -H2PM, Insulation Kit, Outdoor Compact Enclosure
Sun Hood	FCgen <sup>®</sup> -H2PM, Sun Hood, Outdoor Compact Enclosure
Lock System	<i>Swinghandle with standard locking insert</i>
Voltage	<i>See FCgen<sup>®</sup>-H2PM specification</i>
Grounding	<i>See FCgen<sup>®</sup>-H2PM specification</i>
Noise Level	<i>See FCgen<sup>®</sup>-H2PM specification</i>
Temperature Range	<i>See FCgen<sup>®</sup>-H2PM specification</i>



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for a sustainable planet**



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**BALLARD<sup>®</sup>**

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