

FCgen[®]-H2PM Master Controller 5.0

4001635**Description**

It is possible to configure multiple FCgen[®]-H2PM 5.0 kW Systems in parallel for higher loads than 5.0 kW (maximum 12 systems in parallel for up to 60 kW output). To do so, the Master Unit and every single FCgen[®]-H2PM 5.0 kW System must be connected in parallel via RS485 communication. The FCgen[®]-H2PM 5.0 kW Controller Unit has a unique Unit Number located next to the RS485 SubD 9pol interface, this unique Unit Number must be connected to the corresponding Master Unit RS485 SubD 9pol Unit Number. The picture below shows the Master Unit and all 12 RS485, SubD 9pol interface connections.

Note: The RS485 connection cables are customized for the FCgen[®]-H2PM 5.0 kW Master Unit and must be ordered from Ballard Power Systems Europe A/S to comply with the system requirements.

Features

- Connects up to 12 systems in parallel for up to 60 kW output
- Distributes operating hours and customer power load evenly between all systems connected in parallel

Configurations

- 19" rack mount, 2RU
- No need for external power supply and easy to install



Product Specification

Specification	Value
Master Unit (WxDxH)	446 x 185 x 83 mm (17,56" x 7,28 " 3,27 ")
UltraCap Weight	3 kg (6.6 lbs.)
Enclosure Material	Alu-Zink Coated Sheet Metal and Aluminum
Indoor Installation Environment	Pollution degree 2
Temperature Range	5 to +46°C (41 to +115°F) Indoor Temperature
Storage Temperature Range	-40 to + 70°C (-40 to +158 °F)
Relative Humidity	5-95% Non-Condensing
Scalability	Supports up to 12 x FCgen®-H2PM 5.0 kW modules in parallel
Power Input	From the FCgen®-H2PM 5.0 kW RS485 connection
Standby Power Consumption	5 Watts
Interface	Front panel display
Certifications	CE



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