

BALLARD™

FCgen®-H2PM

FCgen®-H2PM Master Controller 5.0kW



Multiple FCgen®-H2PM 5.0kW Systems can be coupled in parallel for higher loads than 5.0kW (maximum 12 systems in parallel for up to 60kW output). To do so, the Master Unit and every single FCgen®-H2PM 5.0kW System must be connected in parallel via RS485 communication. The FCgen®-H2PM 5.0kW Controller Unit has a unique Unit Number located next to the RS485 SubD 9pin interface. This unique Unit Number must be connected to the corresponding Master Unit RS485 SubD 9pin Unit Number. The image shows the Master Unit and all 12 RS485, SubD 9pin 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 60kW 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
- Easy to install

Product Specifications

Specification	Value
Master Unit (WxDxH)	446 x 185 x 83 mm (17.56" x 7.28" x 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°C to +46°C (+41°F to +115°F) Indoor Temperature
Storage Temperature Range	-40°C to + 70°C (-40°F to +158°F)
Relative Humidity	5%-95% Non-Condensing
Scalability	Supports up to 12 x FCgen®-H2PM 5.0kW modules in parallel
Power Input	From the FCgen®-H2PM 5.0kW RS485 connection
Standby Power Consumption	5W
Interface	Front panel display
Certifications	CE