

# UltraCap, FCgen<sup>®</sup>-H2PM 1.7kW

**4000867****Description**

The FCgen<sup>®</sup>-H2PM UltraCap 1.7 kW makes battery-free bridging energy available for the fuel cell system and contributes to the high reliability of the fuel cell solution.

The UltraCaps complement the fuel cell system, and can sustain about one million discharge and recharge cycles. The UltraCap Unit is designed to ensure instant power backup to the DC line, from the time when the grid fails until the time when fuel cell stacks are in full production, supplying the full power demand from the customer loads - maximum 1.7 kW electric. The UltraCap Unit consists of ultra-capacitors and a charger, eliminating the need for external batteries and rectifier. The UltraCap Unit is 19" rack mounted and connected to the Fuel Cell Controller Unit with an AC line and a DC line. On the UltraCap Module there is a circuit breaker installed, which also can be used as an ON/OFF switch. The 4 Power Indicators (LED's) on the front panel of the UltraCap Unit indicate if the Ultra-Capacitors are charged.

**Charger:** The 500W bridge power charger charges the ultra-capacitors to the specified voltage and maintains that voltage during Standby. The charger is powered from the Grid via the Fuel Cell Controller Unit.



# Product Specification

Specification	Value
UltraCap Unit (WxDxH)	445 x 602 x 112 mm (17,52" x 23,70" x 4,41")
UltraCap Weight	18 kg (40 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
Max. Voltage	58,5 Vdc
AC Power Input	110/230 VAC (90-264 VAC) 50/60Hz
Standby Power Consumption	25 Watts (AC)
Max. Charging Power	500 Watts (AC)
Capacitance	56 F
Certifications	CE



**We deliver fuel cell power  
for a sustainable planet**



PLEASE CONSIDER THE ENVIRONMENT BEFORE PRINTING

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