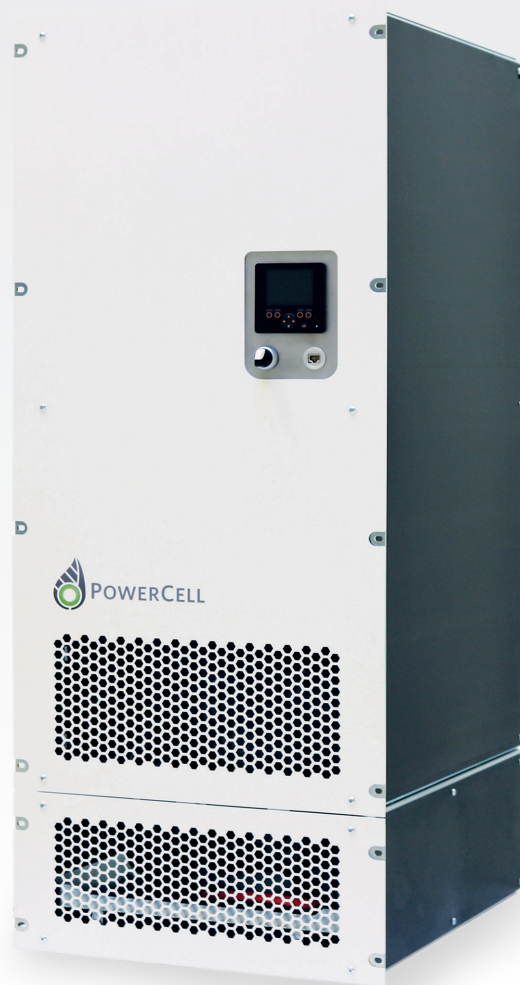


# PowerCell PS-5

## Versatile, Robust, Fuel flexible

PowerCell PS-5 is a fuel cell system that meets the need to generate electricity on an environmentally friendly, silent and reliable basis. The system can be used as an emergency power generator for telecom and traffic systems, but also as a auxiliary for buildings and households. PowerCell PS-5 facilitates increased use of renewable energy, if it is integrated with e.g. photovoltaics. The system is based on the robust PowerCell S2 fuel cell stack.



### Safety in all stages

Our products are developed with safety in mind and is equipped with high-tech safety features.

### Backup power

The system can be used as a back-up power generator for telecom and traffic systems, but also as a generator for buildings and households.

### Available in power range

5,0 kW  
48 VDC



# Physical Data:

## System Configuration

Max net power 5,0 kW

## All models

### Dimensions

Fuel cell module 440 x 557 x 1218 mm

Power electronics module 440 x 500 x 210 mm

### Volume

Fuel cell module 298 l

Power electronics module 46 l

### Weight

Fuel cell module 125 kg

Power electronics module 24 kg

## System specification

Voltage output<sup>1</sup> 0 to 59 VDC - suitable for 48 VDC

System heat output 0 - 7,5 kW

System efficiency (peak, BOL) 50 %

Coolant outlet temperature Inlet coolant temp - 10gr >> 65°C

Fuel inlet pressure 3 - 6 bar(g)

Fuel quality Hydrogen grade 3.5 or higher

Ambient temperature 5 - 45°C

Lifetime 10 000 h

<sup>1</sup> Peak power EOL and OCV (Open Circuit Voltage, i.e. no-load condition, 0 A) BOL.