

Fuel Cell Backup Power

The solution for Critical Communication Infrastructure

The COVID-19 situation has emphasized the importance of reliable telecommunication and broadband technology, the enabler of so many of the services we are highly depended on today. A reliable connection allows us to work remotely, to connect with family and friends online, and most importantly it allows healthcare services to always respond to emergencies.

Why are fuel cells the best backup power solution?

Reliable backup power is vital to ensure the needed availability during unexpected power outages. Due to the need for constant network connectivity, governments are issuing legislation requiring long-duration backup power. Ballard's fuel cell backup power solutions can meet current and future legislative requirements and allow operators of electronic communication a flexible approach to harden their critical infrastructure networks.



4 steps to choosing the right backup power solution

From conception and installation of the fuel cell backup power system to service and training, we support the customer to select a solution best suited for each individual site.



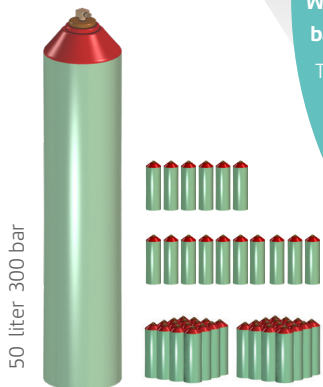
04
What level of service do you want?
 We provide extensive customer care and offer comprehensive and flexible service packages and training programs.

01
What is your power requirement?
 Ballard's fuel cell backup system FCgen-H2PM is available as either 1.7kW or 5.0kW modules. The modules can be coupled to meet power requirements.

03
What is your required backup time?
 The fuel cell backup power system uses hydrogen to generate electricity. Your required backup time will determine how much hydrogen you need.

02
Where do you want your system installed?
 Our fuel cell backup power solution can be installed in an indoor rack or an outdoor cabinet depending on site requirements.

What you need to consider when purchasing a fuel cell backup power solution from Ballard

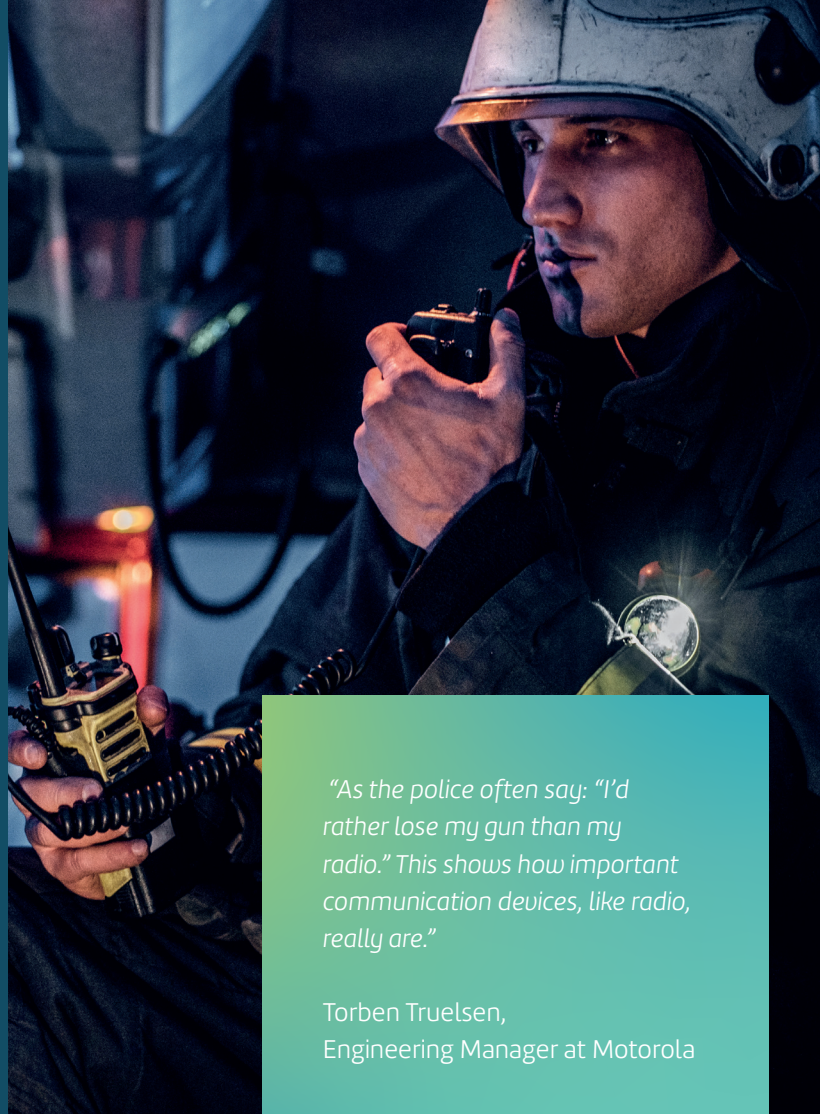


Three sectors – one solution

At Ballard we focus on TETRA/emergency networks, telecommunication, and fiber broadband where increased legislative requirements for backup power are being issued. Fuel cell backup power is especially suited for these markets as it offers the required reliability, backup time and robustness.

The SINE Case

For more than 10 years Ballard has operated and serviced the fuel cell backup power systems for the Danish public safety network SINE used by the police, ambulance and firefighting services and other authorities. Ballard developed an outdoor solution for the approximately 120 sites in Denmark. Since the launch in 2009 and until today, the fuel cell systems have supplied power during approximately 9800 outages with a 100% success rate.



“As the police often say: “I’d rather lose my gun than my radio.” This shows how important communication devices, like radio, really are.”

Torben Truelsen,
Engineering Manager at Motorola

Here for life™

Being the leading supplier in Europe of hydrogen fuel cell backup power for critical infrastructure, we are confident that we can deliver a zero-emission solution customized to your needs.

Contact us today:

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Learn more



Backup Power Market Brochure



Backup Power Product Brochure



Backup Power Informational



Backup Power Datasheet 1.7kW



Backup Power Datasheet 5.0kW



Backup Power Datasheet OneRack 5.0kW

