

What types of fuel cell systems does Ballard offer?

Ballard offers air and liquid cooled stacks from 5kW to 150kW to original equipment manufacturers and system integrators to power fuel cell systems. Ballard's fuel cell systems have been designed to provide flexible, modular and highly reliable products for power generation. Enter your email address to subscribe to our blog and receive updates.

What is a fuel cell electric bus?

Today, bus manufacturers offer fuel cell buses to transit agencies as a standard electric propulsion option. Fuel cell electric buses offer a one-to-one replacement for diesel and CNG buses, with no compromise in service. Key attributes of fuel cell electric buses: Hydrogen is ideal for centralized fueling of transit fleets.

How many fuel cell electric buses are there?

Today, there are more than 1,300+ fuel cell electric buses powered by Ballard deployed globally. Buses powered by Ballard have achieved durability records with more than 35,000 hours of revenue service.

Does Ballard Power offer a fuel cell service?

*fields are required. Ballard Power is the leading global provider of innovative clean energy fuel cell solutions that offer superior performance at a reduced operating cost.

Are fuel cell buses a viable alternative to electric buses?

Many regions around the world are setting goals and mandates to convert entire fleets to electric buses. Fuel cells improve the performance of electric buses by generating onboard power from hydrogen to recharge the batteries. Today, bus manufacturers offer fuel cell buses to transit agencies as a standard electric propulsion option.

How much power does a Ballard module have?

From 30kW to 200kW net power, Ballard's heavy duty modules provide flexible solutions for your motive applications including buses, trucks, trains and ships. Get Ballard stories, interviews, news and more--straight to your inbox.

BALLARD POWER SYSTEMS FUEL CELL BUS



Zero Emission Fuel Cells | Explore topics on hydrogen power as a clean fuel solution, and PEM fuel cell Technology Solutions for motive applications. Markets. Transit Bus; Automotive; Rail; Truck; Material Handling; UAV; Critical Infrastructure; Marine; Fuel Cell Solutions. Fuel Cell Power Products. Heavy Duty Modules; Fuel Cell Stacks



VANCOUVER, CANADA and BOLECHOWO, POLAND ??? Ballard Power Systems (NASDAQ:BLDP; TSX:BLDP) today announced the signing of a Long Term Supply Agreement ("LTSA") with its customer Solaris Bus & Coach sp. z o.o. ("Solaris";), a leading European bus manufacturer, for the supply of 1,000 hydrogen fuel cell engines through ???



Ballard Power Systems announced the signing of a Long Term Supply Agreement with bus manufacturer Solaris Bus & Coach, for the supply of 1,000 hydrogen fuel cell engines through 2027 for the European transit bus market. Over 1,700 fuel cell buses powered by Ballard are in operation worldwide as of today. What is interesting, 44.5% of all hydrogen buses ???

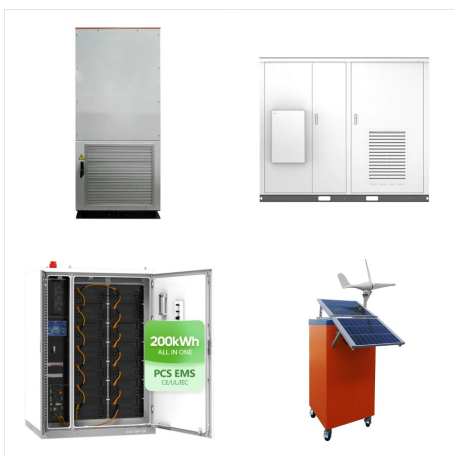
BALLARD POWER SYSTEMS FUEL CELL BUS



Authored and sponsored by Ballard Power Systems. Ballard Power Systems has a vision to deliver fuel cell power for a sustainable planet. Using its considerable fuel cell expertise ??? built up over 45 years ??? Ballard provides valuable and innovative solutions to global customers and its zero-emission proton-exchange membrane (PEM) fuel cells enable electrification of ???



Clean Energy Fuel Cell Electric Buses | Explore topics on hydrogen power as a clean fuel solution, and PEM fuel cell Technology Solutions for motive applications. Blog | Ballard Power Systems | Clean Energy Fuel Cell Electric Buses



Fuel cell specialist Ballard Power Systems has signed a long-term supply agreement with the North American bus manufacturer NFI Group. An initial firm order includes at least 100 FCmove -HD+ modules, scheduled for delivery ???

BALLARD POWER SYSTEMS FUEL CELL BUS



VANCOUVER, CANADA ??? Ballard Power Systems (NASDAQ: BLDP; TSX: BLDP) today announced that it has received a follow-on purchase order from New Flyer (), North America's heavy-duty transit bus leader and Ballard partner, for 20 fuel cell modules to power 20 New Flyer Xcelsior (R) model Fuel Cell Electric Buses, or FCEBs, ???



Thanks to vertical integration from MEA and stack design to complete system integration, Ballard's fuel cell power products deliver proven durability, reliability, power density with the lowest total cost of ownership. Explore our fuel cell products.



VANCOUVER, CANADA - Ballard Power Systems (NASDAQ: BLDP; TSX: BLDP) today announced it entered a strategic collaboration with Wisdom (Fujian) Motor Company Limited ("Wisdom"), Ballard is supporting Wisdom on the introduction of a new double-decker fuel cell bus, which is planned to be demonstrated in 2022 by Bravo as part of its

BALLARD POWER SYSTEMS FUEL CELL BUS



The electricity created powers the bus's electric motor. Fuel cell buses are fueled at hydrogen fueling stations using a flexible hose and nozzle, just like refueling at a gas station. It takes about 10 minutes to fuel a FCEB. Hydrogen can be generated at the fueling site or produced elsewhere and delivered to the fueling station.



About Ballard Power Systems. Ballard Power Systems" (NASDAQ: BLPD; TSX: BLPD) vision is to deliver fuel cell power for a sustainable planet. Ballard zero-emission PEM fuel cells are enabling electrification of mobility, including buses, commercial trucks, trains, marine vessels, and stationary power. To learn more about Ballard, please visit

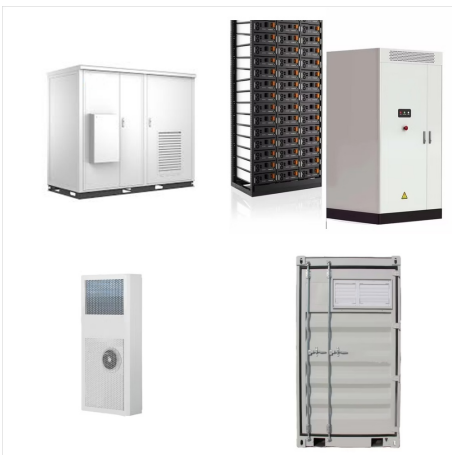


VANCOUVER, CANADA and HOBRO, DENMARK
??? Ballard Power Systems (NASDAQ: BLPD; TSX: BLPD) today announced that it has received follow-on purchase orders from Wrightbus (), a leading bus OEM and Ballard partner headquartered in Northern Ireland, for a total of 50 fuel cell modules to power Fuel Cell Electric Buses, or ???

BALLARD POWER SYSTEMS FUEL CELL BUS



The FCgen (R)-1020ACS fuel cell stack is widely deployed through integration into Ballard's FCgen (R)-H2PM direct hydrogen backup power systems, as well as Plug Power's line of GenDrive (R) fuel cell systems for electric lift trucks.



Ballard's FCmove (R) motive modules are designed for flexible integration into advanced hybrid transit buses from 8-18 meters (35-60ft), including double-decker buses.. If you have a project that could be the right fit for Ballard's fuel cells for transit buses, please fill out this form, and we'll arrange a confidential discussion for you with one of our experts.



Various generations of Ballard fuel cells have been used in transit projects, dating back to the early 2000s. Van Hool A330 Fuel Cell bus (C)RVK. In the UK, the first double-decker fuel cell buses are in operation. Ballard Power Systems, Inc. 9000 Glenlyon Parkway Burnaby, B.C. V5J 5J8 Canada. Ballard Power Systems Europe Majsmarken 1

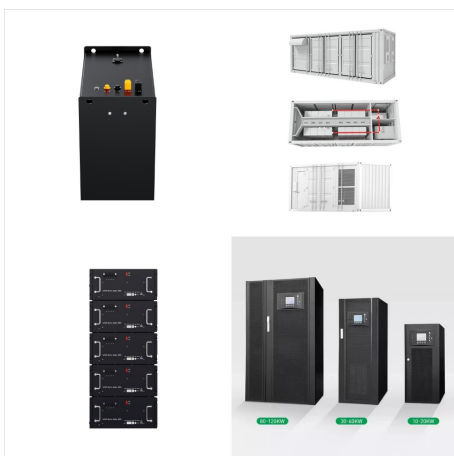
BALLARD POWER SYSTEMS FUEL CELL BUS



VANCOUVER, CANADA and BOLECHOWO, POLAND ??? Ballard Power Systems (NASDAQ:BLDP; TSX:BLDP) today announced multiple purchase orders totaling 62 hydrogen fuel cell engines from long-standing customer Solaris Bus & Coach sp. z o.o. ("Solaris";), a leading European bus manufacturer deploying hydrogen-powered city ???



fuel cell buses, whose range was less than 200 km, where buses were forced to operate in half day shifts before fuelling. Zero Emission Bus Technology 4 Ballard Power Systems : Fuel Cell Zero-Emission Buses for Cologne Region, Germany. Electric Drive System. Electronic . Thermomanagement. Pure Water Vapour Exhaust. Fuel Cell System. Air



? FCmove (R), the latest platform for heavy duty power modules based on the FCgen (R)-LCS stack, is the culmination of more than 8 generations of product development at Ballard. The FCmove (R) platform offer a compact, fully integrated, robust fuel cell power solution with low total life cycle cost. It is available with 45kW and 120kW versions. FCmove (R) products are ???

BALLARD POWER SYSTEMS FUEL CELL BUS



Fuel Economy: Compared to conventional bus technology, FCEBs have a higher fuel economy. The fuel economy for one fleet studied, the Orange County Transit Authority American Fuel Cell Bus, had a fuel economy 1.8 times the authority's conventional buses.



? Canadian fuel cell specialist Ballard Power Systems has received a new firm order from North American bus manufacturer New Flyer for 200 FC modules with a total output of 20 MW. All 200 modules will be delivered in ???

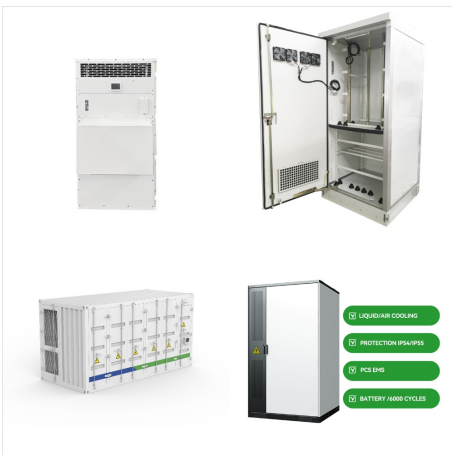


VANCOUVER, CANADA ??? Ballard Power Systems (NASDAQ: BLDP; TSX: BLDP) today releases its 2023 Environmental, Social, and Governance (ESG) Report, highlighting progress across Ballard's 2023 ESG performance and articulating an ongoing commitment to transparency and environmental leadership in the fuel cell industry.. The report captures ???

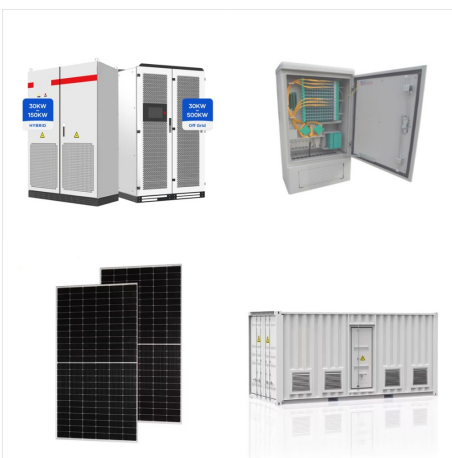
BALLARD POWER SYSTEMS FUEL CELL BUS



US bus manufacturer Gillig is set to expand its zero-emission product lineup with the addition of a hydrogen fuel cell powered bus, to be developed in collaboration with BAE Systems and Ballard Power Systems.. Earlier this year Gillig has received a major order in Seattle for its battery-electric bus model. In November 2022, Gillig announced that 45 transit agencies ???



The Urbino 18 hydrogen is powered by Ballard's rooftop-mounted FCmove (R)-HD+ 100kW fuel cell engine, which offers a durable, compact and easy installation solution for system integrators and vehicle OEMs.. This latest development sees Solaris build on an incredibly successful period where the manufacturer grew in 2023 to hold nearly 50% of the hydrogen ???



Making the transition from CNG buses to hydrogen fuel cell buses; Commercial deployment and costs involved; Also provided is an overview of the hydrogen supply options available to transit agencies, sourcing the appropriate fueling infrastructure and ???

BALLARD POWER SYSTEMS FUEL CELL BUS



Also integrating Ballard's FCmove (R)-HD fuel cell engine, the hydrogen-powered buses are supplied to local operator Transit Systems, and will save approximately 90 tons of CO₂ a year - supporting the state of Victoria's goal of ensuring every new bus from 2025 is emission-free and aligning with its commitment to achieve net zero by 2045.



? VANCOUVER and WINNIPEG, CANADA ???
Ballard Power Systems (NASDAQ:BLDP;
TSX:BLDP) today announced a purchase order to supply 200 fuel cell engines to New Flyer, a subsidiary of NFI Group Inc. ("NFI"; TSX: NFI, OTC: NFIYEF, TSX: NFI.DB;), a leading independent bus and coach manufacturer and a leader in ???