

**NEXA™**

Ballard Power Systems introduces the Nexa™ power module, the world's first volume-produced proton exchange membrane (PEM) fuel cell module designed for integration into a wide variety of stationary and portable power generation applications. Using Ballard's PEM technology, the Nexa™ power module converts hydrogen fuel and oxygen in a non-combustive electrochemical reaction to generate up to 1200 watts of unregulated DC electrical power.

Emitting heat and water as by-products of power generation, the Nexa™ power module allows original equipment manufacturer products to be used in indoor environments and other locations not possible with conventional internal combustion engines. The Nexa™ power module's quiet operation and compact size make it ideal for integration into uninterruptible power supply systems, emergency power generators, and recreational and portable products. And unlike battery technology with limited run-times, the Nexa™ power module is capable of providing full extended run backup or intermittent electrical power for as long as fuel is supplied to the unit.

Brought to you by Ballard—the world leader in PEM fuel cell technology, the Nexa™ power module is backed by over 15 years of experience in the development of premium fuel cell products for transportation, stationary and portable applications.

**Specifications**

Performance :	Rated net output	1200 watts ¹
	Current	46 Amps ²
	DC voltage	26 Volts ²
	Operating lifetime	1500 hours
Fuel :	Composition	99.99% dry gaseous hydrogen
	Supply pressure	10 to 250 PSIG
	Consumption	≤ 18.5 SLPM ²
Operating Environment :	Ambient temperature	3°C to 30°C (37°F to 86°F)
	Relative humidity	0% to 95% ³
	Location	Indoors and outdoors ⁴
Physical :	Length x width x height	56 x 25 x 33 cm (22 x 10 x 13 in)
	Weight	13 kg (29 lbs)
Certification :		CSA, UL
Emissions :	Liquid water	0.87 liters (30 fluid oz.) maximum per hour ²
	Noise	≤ 72 dBA @ 1 meter
Integration :	Fuel interface	45° flared tube fitting for 1/4" OD tubing – metallic
	Electrical interface	#8 AWG electrical wire
	Control interface	Full duplex RS 485

¹ Beginning of life, sea level, rated temperature range.

² At rated net output.

³ Non-condensing.

⁴ Unit must be protected from inclement weather, sand and dust.

