

# CellPack™ Stationary



Blue World Technologies' CellPack™ Stationary is a methanol fuel cell-based stationary power generator specially developed for the power demand and features of the telecommunication industry. Suitable for outdoor installation in various environmental conditions.

CellPack™ Stationary is based on HTPEM (High-Temperature Proton Exchange Membrane) technology. As a result, there is no need to purify the hydrogen after the methanol-reforming process. With this concept, the process is simplified and has superior electrical efficiency.

The CellPack™ Stationary works in parallel with an existing onsite 48V battery solution and replaces diesel generators for backup, supplementation, and off-grid power.

The system can be used in hybrid applications along with renewable energy sources such as solar, wind turbines, and others.

## SYSTEM FEATURES

- **Split fuel:** Pure methanol with option for onsite water production
- Low-noise power generator
- **Low maintenance:** Easy access, filter check, remote monitoring
- Low operation cost
- **Small footprint:** 1.1m<sup>2</sup> for 5-10-15 kW
- **Connectivity:** OEM/customer network, IoT, and remote connection
- Fleet management services



**Continuous true power**



**Modularity (5-10-15 kW)**



**Zero harmful emissions while in operation**



**Pure methanol system**

3 x CellPack™ Module 5k

CellPack™ Base




PRODUCT PARAMETER	VALUE
<b>Performance</b>	
Voltage range	-38 VDC to -60 VDC
Max power output [4]	5 kW, 10 kW, 15 kW
System efficiency [4]	38 – 40%
Design life - operational	10,000 hours
Start-up time	15-20 min
Run time at rated power [2]	64 hours (5 kW), 32 hours (10 kW), 21 hours (15 kW)
<b>Fuel characteristics</b>	
Fuel consumption	0.55 L/kWh of methanol and 0.36 L/kWh of water [5]
Fuel capacity [2]	320 kWh of onboard fuel storage capacity
Fuel type	Methanol (IMPCA reference standard) and DI Water (ASTM Type 1)
<b>Communication</b>	
External interfaces	IPv6, Bluetooth Remote access [1], LAN, CAN Open, FOTA, SD card, Dry contacts, SNMP V3[1], IoT [1]
Display	LED indicators for status and 7-inch HMI display [1]
<b>Standard</b>	
Designed according to	CE, IEC 62282-3-100, IEC 61508 SIL 2, IEC 62368-1
Seismic rating	IEC 60068-3-3, Seismic Zone 4
<b>Physical attributes and environment</b>	
Operation temperature [3]	-10°C to 50°C
Altitude	Up to 2,000 m
Relative humidity	0 - 95 %
Sound level	70 dB @ 1 m
IP rating	IP54
Location	Outdoor [6]
Physical dimension	845x1433x1354 mm (5 kW) / 845x1433x1804 mm (10 kW) / 845x1433x2254 mm (15 kW)
System weight	530 kg (5 kW) / 780 kg (10 kW) / 1030 kg (15 kW)

**This is where we start, one generator at a time...**

**CONTACT**

For more information, pricing, and availability please contact Blue World Technologies at [info@blue.world](mailto:info@blue.world) or visit [www.blue.world](http://www.blue.world)



[1] Optional features and services.  
 [2] An external tank connection port is available to increase the backup time.  
 [3] Cold climate solutions are available upon request.  
 [4] At the beginning of product life.  
 [5] Optional condenser to reach water neutrality.  
 [6] Indoor with special requirements.

