

mGen Power Generator

A Green, Smart, and Quiet Alternative to Diesel Power Generators



Green Energy



Solar Integration



liquid methanol



up to
10kW
Power Capacity

Remote Monitoring



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mGen Power Generator

A Smarter Generator for a Cleaner Tomorrow

Power Output	5 kW or 10 kW
Standby Power	< 100 W
Efficiency	38 to 40 %
Start-up time	20 to 30 min
Voltage range	38 to 60 Vdc
Dimension	W850 x D850 x H1580 mm
IP rating	IP 54



**Modularity Installation, side by side
from 5kW up to 100kW**

Description

The mGen Power Generator is a revolutionary decentralized power solution that combines methanol reforming technology with high-efficiency fuel cells. By using liquid methanol as a hydrogen carrier, mGen eliminates the logistical headaches of high-pressure gas while delivering superior economic and environmental performance.

Unique Values:

- Clean Operation
- Easy Services & Maintenance
- Low CO2 Emission
- Low Noise and Vibration
- Power On Demand and Scalable
- High Efficiency

Features:

- Remote and auto start
- Easy transportation and small footprint
- Water recycle
- Friendly user interface
- 5 and 10kW module, 38 to 60 Vdc

Advantages

Simplified Logistics:

Unlike gaseous hydrogen, liquid methanol has a high energy density and requires no high-pressure compression, making it easy to transport and store using existing infrastructure.

High Resilience:

Designed for "Energy First" AI infrastructure and mission-critical backup, ensuring 24/7 stable power even during grid instability.

Versatile Applications

5G Base Stations:

Ensures continuous uptime for telecommunications in remote or urban areas with minimal noise and pollution.

Data Centers & Edge Computing:

Provides stable, low-carbon backup power to secure the "five-layer stack" of AI infrastructure.

Mobile EV Charging:

Powers mobile charging vehicles and off-grid charging stations and microgrids.

mGen Power System Application

