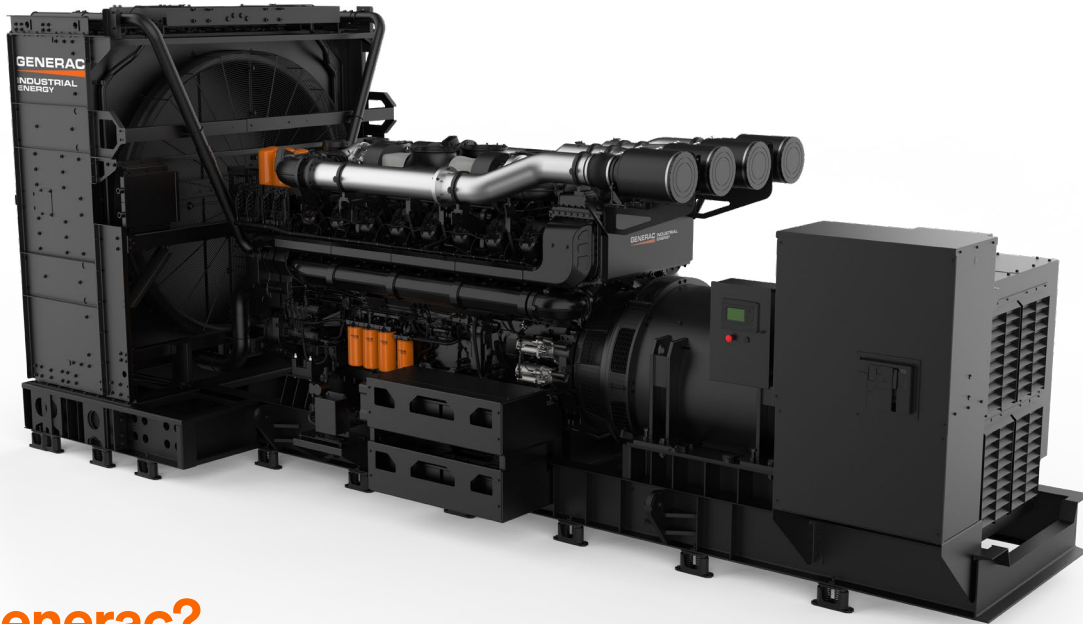


Backup. Hyperscaled.

Scalable, High-Performance Power for Data Centers

GENERAC[®]
**INDUSTRIAL
ENERGY**

Generac's 2.25-3.5 MW generator platform is engineered to provide unmatched reliability, faster deployment, and integration with microgrid and energy storage solutions.



Why Generac?

Faster deployment, shorter lead times

Unlike traditional power providers, Generac's supply chain and manufacturing efficiencies enable rapid deployment and installation, reducing project delays.

Designed for scalability & flexibility

Modular design supports multi-unit deployments, ensuring a future-proof solution that grows with evolving power needs.

Proven track record in critical infrastructure

Generac has decades of experience in mission-critical backup power, supporting data centers, hospitals, and industrial facilities worldwide.

Market Applications

Hyperscale Data Centers

Scalable, multi-unit deployment for massive AI-driven and cloud workloads.

Colocation Facilities

Flexible power solutions for multi-tenant data centers with varying load requirements.

Enterprise and Edge Data Centers

Quick deployment for decentralized backup power.

Technical Specifications

Model		SD/MD2250	SD/MD2500	SD/MD2750	SD/MD3000	SD/MD3250	SD/MD3500
Ratings*	ESP (kW)	2250	2500	2750	3000	3250	3500
	DCR (kW)	2250	2500	2750	3000	3250	3500
	DCCR (kW)	2025	2250	2475	2700	2925	3180
Engine	Arrangement	V12	V12	V16	V16	V16	V20
	Displacement	65.6L	65.6L	87.5L	87.5L	87.5L	109.4L
	Fuel System	High Pressure Common Rail					
	Aspiration	Turbocharged & air-to-water aftercooled					

***Emergency Standby Power (ESP):** maximum power available for a varying load for the duration of a main power network failure. Consistent with the ISO-8528-1 definition of Emergency Standby Power with a 70% average load factor.

Data Center Rating (DCR): Generac defined rating for Data Center applications. Similar to ESP rating except allowing a 85% load factor. Compliant to Uptime Tier I and Tier II standards.

Data Center Continuous Rating (DCCR): Generac defined rating for Data Center applications. Similar to ISO-8528-1 Prime Rating, with 10% overload capability and a 100% load factor. Compliant to Uptime Tier III and Tier IV standards.

For full definitions, consult Generac's technical ratings guideline for each rating.

Key Features

- **Baudouin M55 engines**, which have a proven track record providing backup and continuous power for data centers and mission critical applications around the globe. These engines utilize a high-pressure common rail fuel system to provide exceptional transient response, high ambient temperature derate capability, and low NOx emissions.
- **Deep Sea G8601 Controller**, which can be configured to fit virtually any need and provides a wide range of high-end features for mission critical applications.
- **Marathon DataMAX alternators**, which are purpose built for highly demanding global Data Center applications with reliability and low reactance in mind.
- **Low emissions**, designed to help meet the most stringent state requirements in Virginia and ready for use with compliant Tier 4 aftertreatment systems.
- **Redundant starting system**, which has an additional set of engine starters, batteries and battery chargers available. Redundant systems are fully isolated to avoid single points of failure.
- **High ambient (50°C) cooling packages**, for top performance in the most demanding environments.
- **Generac Modular Power Systems (MPS)**, enhance reliability, scalability, and serviceability by integrating multiple generators utilizing Deep Sea onboard paralleling controls. Providing redundant, flexible, and easily expandable power solutions.
- **Configurable circuit breakers**, offered as left and/or right-side breakers, are configurable up to full rated generator amperage at 480V.

Contact us today to speak with an expert about your specific power needs.

GENERAC®

**INDUSTRIAL
ENERGY**

Empowering **Data Centers** with Smarter, More Resilient Energy Solutions

**Integrated Backup Power,
Microgrids, and Energy Storage for
Maximum Uptime and Efficiency**



Your **Total Energy Solutions Partner** Leading Businesses through Every Step of their Energy Journey

- **Leading Innovation:** we are proven leaders in the energy transition with a track record of pioneering solutions.
- **Seamless Integration:** our connected products and services work seamlessly together across the total energy journey.
- **Collaborative Customization:** we meet customers where they are in their energy journey, understand their needs, and then design a total energy solution just for them.
- **Dedicated Support:** our global support goes beyond installation.



A Smarter, Integrated Approach to Data Center Energy

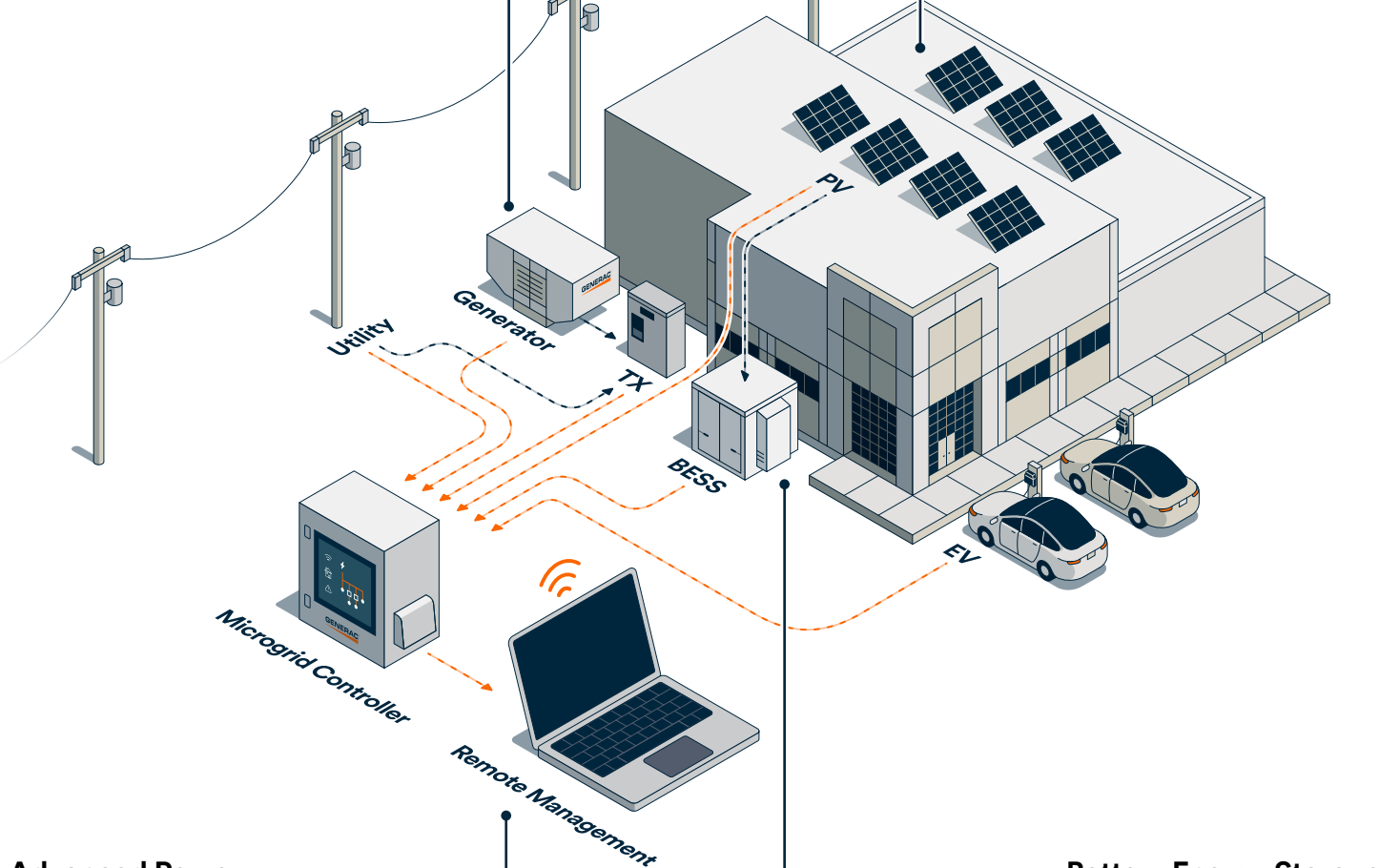
Generac delivers a full-stack power strategy built to optimize uptime, energy efficiency, and sustainability.

Industrial Diesel & Natural Gas Generators

Up to 3.5 MW scalable backup power

Microgrid Solutions

Seamless renewable energy integration & grid independence



Advanced Power Controls & Generac Link™

AI-driven energy monitoring and system automation

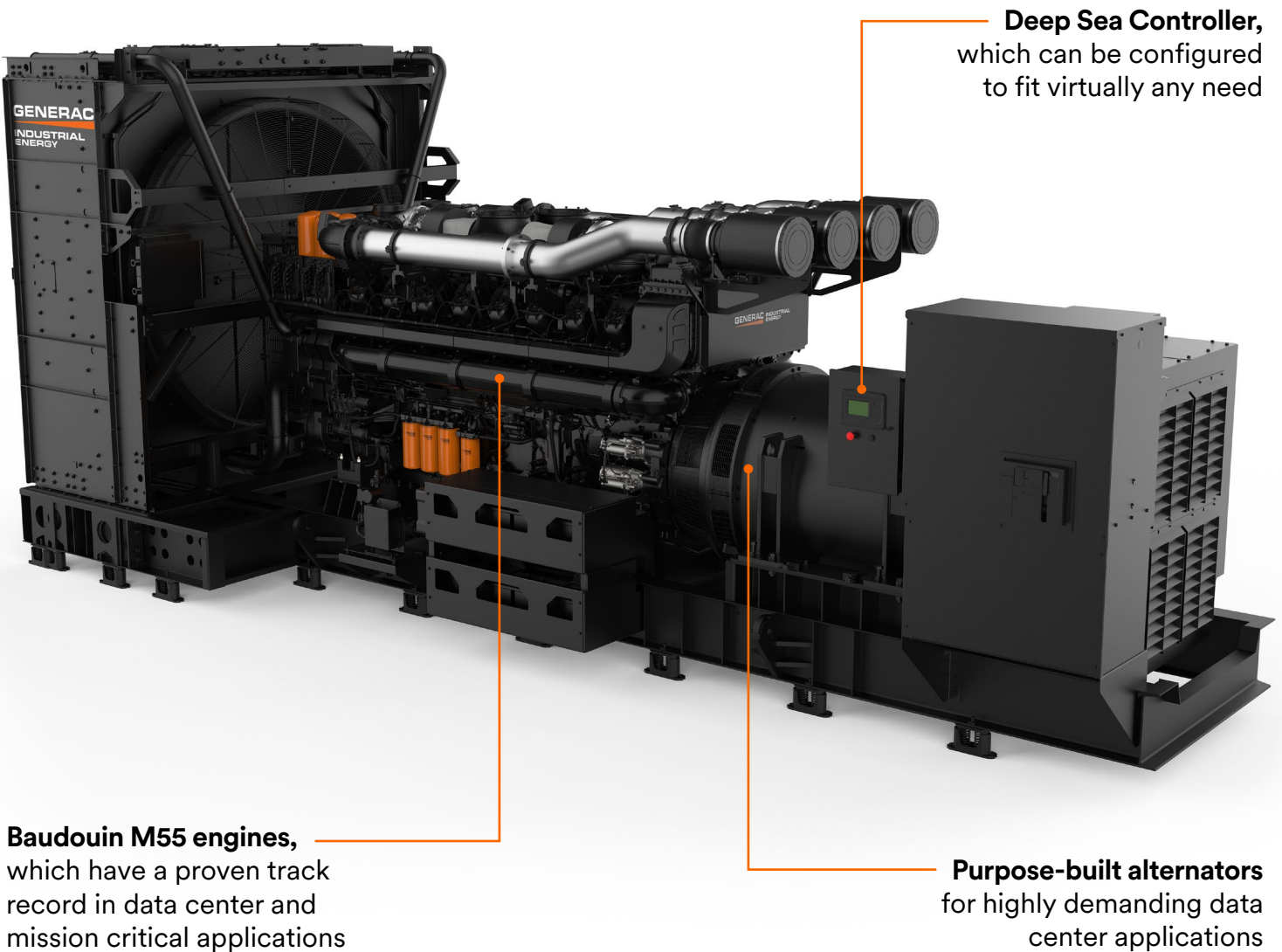
Battery Energy Storage Systems (BESS)

Peak shaving, load balancing, and critical backup power

With Generac, data centers get **unmatched reliability, advanced automation, and a seamless energy ecosystem.**

Scalable High Performance for Data Centers

Generac's 2.25-3.5 MW generator platform is engineered to provide unmatched reliability, faster deployment, and integration with microgrid and energy storage solutions while meeting the most stringent emissions requirements.



Baudouin M55 engines, which have a proven track record in data center and mission critical applications

Deep Sea Controller, which can be configured to fit virtually any need

Purpose-built alternators for highly demanding data center applications

GENERAC | **LINK**

With **Generac Link™**, operators can remotely monitor, optimize, and control their energy assets across multiple sites.

Case Studies

Data centers trust Generac for scalable, resilient power



C7 Data Centers (Hyperscale/Colocation)

- **Challenge:** Needed a scalable, redundant power solution to support multi-location growth and ensure uptime across expanding data centers.
- **Solution:** Deployed a 13MW Generac MPS system, including ten x 1MW Gemini® generators and two x 1.5MW diesel generators, allowing seamless scalability.
- **Result:** Enabled 99.999% uptime, future expansion without major infrastructure changes, and lower total cost compared to traditional backup systems.



CyberLynk Data Center

- **Challenge:** Required reliable, scalable backup power for its colocation and cloud hosting facility.
- **Solution:** Installed a 600kW Generac backup system with modular expansion capability.
- **Result:** Achieved zero downtime, improved power cost efficiency, and a future-ready infrastructure.



University of Utah Data Center

- **Challenge:** Needed scalable backup power to support a growing research and enterprise computing facility.
- **Solution:** Implemented a 5MW Generac MPS system, designed for future scalability up to 11MW.
- **Result:** Ensured uninterrupted operations, optimized power redundancy, and reduced operating costs.

More Than Just Backup – A Full-Scale Energy Partner



**Faster deployment,
shorter lead time**



**Designed for scalability
and flexibility**



**Seamless microgrid and
renewable integration**



**Proven track record in
critical infrastructure**



Reliability Beyond the Equipment

24/7 Remote Monitoring with Generac Link™

AI-driven insights, fault detection, and predictive maintenance.

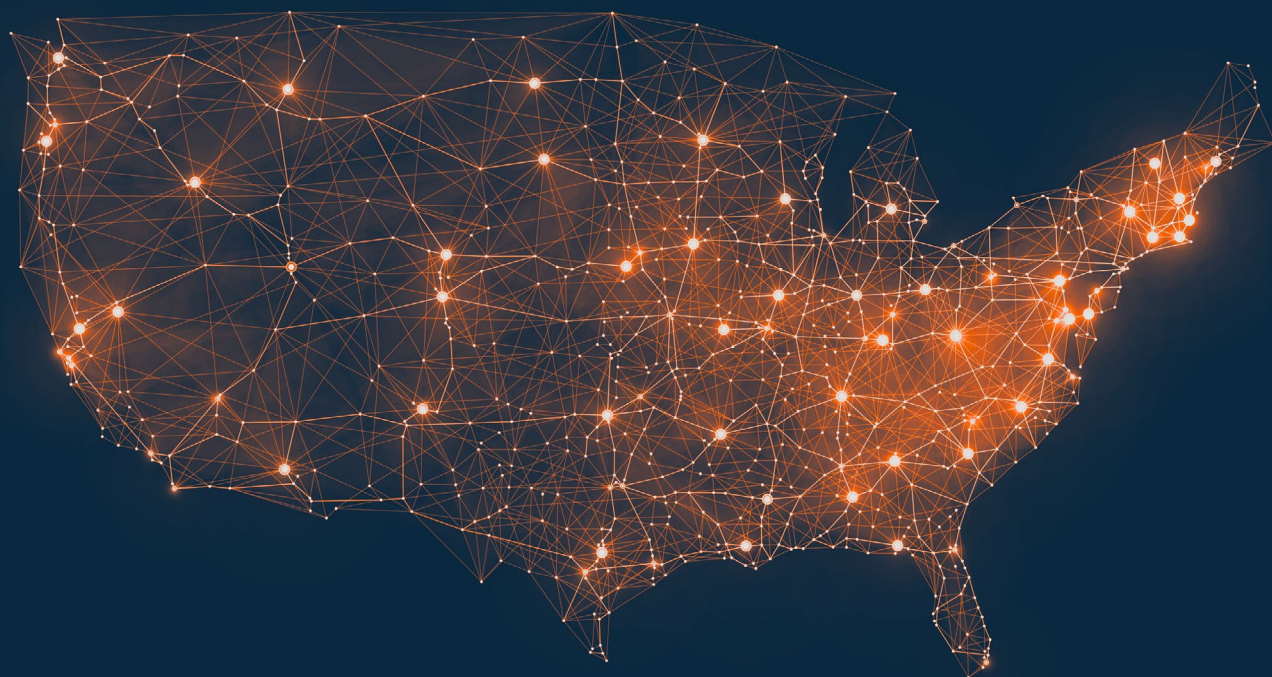
Nationwide Service Network

Generac's certified dealers ensure rapid response and ongoing system optimization.

Modular Expansion Support

Our scalable systems grow as data centers scale.

With Generac, power is never an afterthought—it's a core part of your strategy.



Generac's nationwide service network of dealer locations provides dedicated support when its needed most.



Take Control of Your Data Center's Energy Future

Optimize uptime, reduce energy costs, and increase sustainability. Learn how Generac's energy ecosystem can transform your operations.



Scan the QR code or visit us at www.Generac.com/Industrial/ to learn more.

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INDUSTRIAL ENERGY

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