

Power Distribution Center (PDC)

Turnkey modular electrical infrastructure from design to delivery. GW Modular delivers flexible, reliable, and scalable customized Power Distribution Centers (PDC) for data center and mission-critical applications. We integrate engineering, equipment, factory testing, logistics, and site support into one factory-built solution so your power infrastructure is ready when you are.

SPECIFICATIONS



Faster deployment

Factory integration reduces field labor



Lower risk

Coordinated build, test, commissioning



Flexible architecture

IT, mechanical, and microgrid options



Future ready

Scalable UPS, generator, solar, battery

KEY ADVANTAGES

- Dedicated critical IT PDC
- Critical mechanical PDC
- Combined IT + mechanical PDC
- Scalable UPS system architecture
- Single UPS system architecture
- Modular microgrid-ready architecture



Let's talk about your next project.
sales@gwmodular.com



GW Modular

A DBM GLOBAL COMPANY

PDC HIGHLIGHTS, DESIGN STANDARDS, AND MODULAR MICROGRID CAPABILITY

Flexible distribution, UPS, and microgrid configurations for critical loads. Factory acceptance testing and commissioning (L1-L4); factory-commissioned before shipment to reduce field work and schedule risk.

PDC HIGHLIGHTS

- ✓ Integral ATS breaker-pairs with smart telemetry; open or closed transition support
- ✓ 480V and 415V systems with up to 5000A main switchgear
- ✓ 65kAIC standard with options up to 100kAIC
- ✓ UPS systems up to 3 MVA; full-load runtime up to 10 minutes
- ✓ UL 2755 listing available as an option

DESIGN STANDARDS + INTEGRATION

- ✓ Supports ASHRAE TC 9.9, ASHRAE 90.4, TIA-942, Uptime, IEEE, NFPA, IEC, and UL 2755-aligned requirements
- ✓ Integrated mechanical, BMS, and EPMS control system interfaces
- ✓ Factory integrated security, fire alarm, fire suppression, and VESDA pathways
- ✓ Power quality options: harmonic filtering, surge protection, power balancing, SPD

MODULAR MICROGRID CAPABILITY

- ✓ Smart grid control: demand response and optimization
- ✓ Grid parallel: net metering and utility-parallel operation
- ✓ IEEE 1547 microgrid interconnection design consideration
- ✓ Reduce or eliminate UPS where architecture allows
- ✓ Renewables ready: integrate solar, wind, and storage



MV / LV SWITCHGEAR
Main distribution lineup



POWER DISTRIBUTION
Factory-integrated sections



UPS + CONTROLS
Critical power and monitoring

INTEGRATED EQUIPMENT

EQUIPMENT	RATING / SCOPE
MV Transformer	2-3.3 MVA
MV Switchgear	4.16kV-34.5kV
LV Critical Switchgear	Main distribution
Automatic Transfer Switch	Utility / generator
UPS System	500kW-2MVA

EQUIPMENT	RATING / SCOPE
Fire Alarm + Suppression	Integrated life safety
Security + VESDA	Monitoring ready
LV Transformer + Distribution	Downstream power
Cooling System	Site-specific