250 kW Modular data center solution

Eaton's unique approach to your new or expanding data center needs.

Eaton solutions help you manage your data center power and fit-for-purpose thermal management system as strategic assets that drive real business benefits. Our scalable infrastructure delivers your application service requirements at the optimum efficiency and lowest cost throughout the complete life cycle of your data center.

Overall modular data center benefits

- Increased speed to market
- Better cost control and quality with factory-based production
- Infrastructure/IT all-in-one design
- Repeatability
- Reduced footprint
- Reduced on-site installation complexity
- Reduced on-site construction time
- Increased speed of repair and reduced downtime with modularized components
- Fully factory tested and commissioned
- Lower operating costs

Benefits of working with Eaton

Reduced CAPEX
Thanks to its design, Eaton's modular data center can easily scale along with your business needs, allowing for additional data center capacity to be deployed as needed. The build-as-you-need approach minimizes the upfront CAPEX required when building a traditional data center.

Reduced time to market
Eaton's approach deploys a modular data center in a fraction of the time required to design and build a traditional data center or retrofit an existing one.

Real estate savings
Save valuable real estate space because Eaton's modular approach can be deployed anywhere, i.e., parking lot, loading dock or warehouse space, saving valuable existing real estate.

Energy efficient
Eaton's modular solutions assist to achieve low PUE levels.

Relocatable and ideal for business recovery capabilities
Unlike conventional data centers, Eaton's modular solutions can be relocated as business and IT needs evolve. Our quality-controlled construction process and fully integrated factory testing reduces installation time and reduces startup field issues, getting the project completed faster.

Powering Business Worldwide

Eaton's modular approach contains all the hardware required for a fully functional data center.

- N,N+1,2N power and cooling system designs are available
- Up to 15 x 38U 24" W x 40" D seismic rated server rack space available
- Up to 250 kW of power and cooling available in 550 sq-ft of space
- Fire detection and/or suppression options available
- Air or water cooled options available with "free cooling" modes utilizing airside economizers
- Single or dual corded load options
- Integrated monitoring solutions available
- Eaton's modular unit can meet UL® certified requirements
- Additional add-on features:
  - Build rooms or other workspace
  - Backup generator modules
  - Expandable distribution system infrastructure
  - Chiller modules
 - Larger centralized UPS plant (campus approach)

Support services
Eaton's full array of support services helps to ensure a complete successful project.

- Turnkey design and integration
- Code and compliance review
- Regulatory acceptance
- Power quality studies
- Short circuit, coordination and arc flash studies
- Data center audits and modernization
- Installation
- Commissioning
- Preventative maintenance and break-fix service
- Extended warranty

A Cold aisle
B Power distribution room access
C (1) Communications junction box
   (15) 38U IT racks
   (2) 93PM VRLA battery cabinets
D HVAC—cold air supply
E Overhead plug-in busway
F Vertical containment (visible to hot aisle)
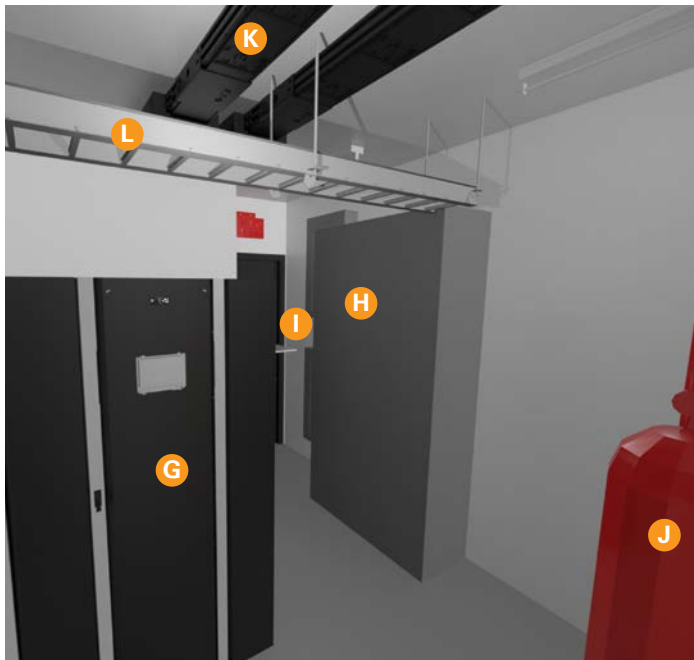
G 93PM UPS
H Main input and bypass switchboard
I Mechanical power panel
   House power panel
   Monitoring system (opposite panels)
J Fire suppression system
K Overhead plug-in busway
L Cable tray

For more information on Eaton's modular data center services, visit
Eaton.com/service

Follow us on social media to get the latest product and support information.

F·T·N
Powering Business Worldwide