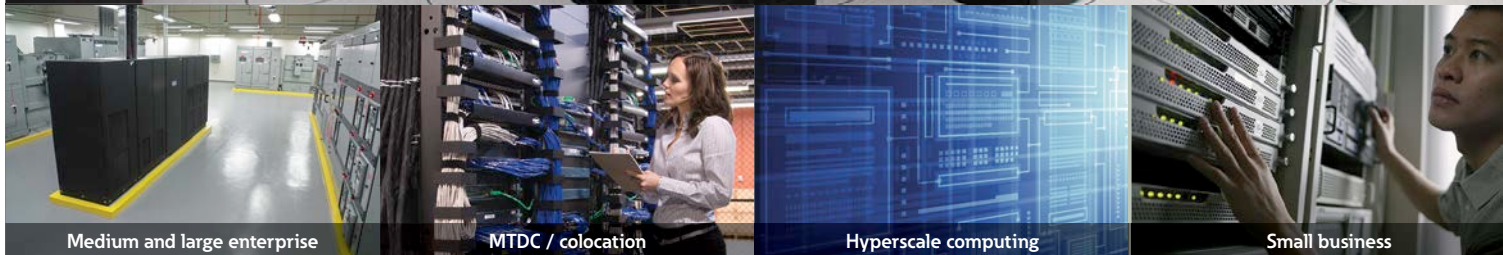


Energize your data center, maximize the value of your investment



Energizing a world that demands more

Your data center is the backbone of your business and requires innovative, mission-critical power and thermal management solutions that will drive efficiency, quickly scale to meet your needs and ensure you are optimizing your IT assets. These solutions need to be easy to deploy and resilient enough to accommodate reduced facility infrastructure redundancies, while supporting the quality of service you require.

Critical to your business success is finding a partner that delivers the engineering skill, service expertise and interoperability that lowers cost, reduces risk and provides a safer environment across the data center life cycle.



Powering Business Worldwide

Components for electrical and mechanical subsystems



Variable frequency drives

- Typically result in energy savings of 10 to 50% and designed for high-performance applications
- Low-voltage clean power and high-performance variable frequency drives



Medium- and low-voltage circuit breakers

- Molded case circuit breakers (MCCB)
- Low-voltage power circuit breakers
- Industrial breakers
- Air circuit breakers (ACB)
- ANSI and IEC configurations



Fuses

- Finger-safe CUBEFuse® and compact circuit protector (CCP) reduces footprint up to 70%
- Low-profile CCP offers more than 10 times the interrupting rating for rack PDUs
- High-speed square body and cylindrical bolt-on fuses for UPSs

Power quality, conditioning and backup



Uninterruptible power supply (UPS)

- Desktop, network, server and storage UPS up to 60 kW
- Data center and facility UPS up to 1200 kVA
- High efficiency up to 99%
- Energy storage options include batteries (lead acid, NiCd and lithium-ion), supercapacitors and flywheel



Prefabricated power solutions

- Integrated UPS, switchgear and battery configured solutions for quick deployment and lower total cost of ownership
- Connected, centralized (skid) and contained (container) models
- Based on proven, preconfigured, repeatable designs that are system-tested



Automatic transfer switches

- Breaker-based up to 5000 A
- Open or closed transfer
- With or without high-level HMI
- With or without power monitoring
- Direct connectable to power distribution

Power distribution



Static transfer switches

- Three-phase static transfer switches for automatic transfer of critical AC loads to and from one power source to another, without interruption
- Rated from 100 A to 1250 A
- Available in three- and four-pole versions



Medium-voltage switchgear

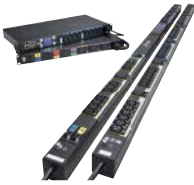
- Medium-voltage switchgear up to 24 kV
- Current ratings up to 4000 A
- Generator and grid connected switchgear
- In fixed and withdrawable execution
- SF₆-free solutions



Low-voltage switchgear

- Low-voltage switchgear up to 690 kV
- Current ratings up to 5500 A
- In fixed, plug-in and withdrawable execution
- With feeders and motor starters
- Including power monitoring and measuring
- Arc-free solutions available

Power distribution (cont'd.)



Rack power distribution units

- Advanced, monitored and managed
- Floor-standing, wall-mount and 0U/1U rackmount

Racks and enclosures



Racks and enclosures

- Two-post open racks
- Ideal for voice, data and video (VDV) equipment
- Floor standing and wallmount models
- Seamless integration of cable management accessories and power
- Controlled thermal management options

Structural support systems



Strut systems

- Solid, slotted and long hole channel
- Fittings, clamps and beam supports
- Pre-galvanized, hot dip, stainless steel and Dura Green™ painted

Indoor and outdoor lighting



High-efficiency LED luminaries

- Visionary indoor and outdoor LED lighting advancements deliver unparalleled performance
- Products exceed requirements to maximize energy savings and meet local code requirements



Lighting controls

- Conserve energy, reduce operating cost and improve lighting quality
- Control a floor, building or campus of buildings with a variety of options

Airflow and thermal management solutions



Rack containment

- Contain and direct equipment heat exhaust out of the top rear of the enclosure
- Adjustable for plenum ceilings and high air returns
- Integrates seamlessly with existing cooling infrastructure



Aisle containment

- Aisle ceilings
- End-of-row doors



Room containment

- Sealed raised floor cable grommets

For more information
about our products
and solutions, visit
Eaton.com.eu/datacenters

Facility metering, power monitoring and management



Power management software

- Network and peer-to-peer UPS monitoring and management software
- Industry-leading software integrates power with virtualization platforms



Data center monitoring software

- Environmental and power system monitoring
- IT asset management
- Holistic reporting via an intuitive web interface



Power and energy meters

- Advanced remote monitoring meters provide accurate, real-time system values, capture system events and displays them through software monitoring solutions
- Power and energy meters, single and multi-space unit enclosed meters

Design, build, planning and support services



Professional and consultative services

- Dedicated, experienced project management teams
- Application design, build and planning solutions including multi-vendor and life extension
- Power audits
- Efficiency and safety upgrades, start-up and site commissioning
- Short-circuit coordination and harmonic studies



Preventive maintenance

- On-site service and extended warranties
- Arc flash hazard analysis
- Computational fluid dynamics offers 3D model of data centers, individual rooms, row and/or rack services
- Battery management and monitoring services
- Load bank testing, power quality metering and infrared scanning



Emergency services

- Nearly 1,800 field and engineering service professionals globally
- Service professionals trained on multi-vendor distribution products
- Pre-crisis and disaster recovery and 24x7 service
- Regional manufacturing facilities enable rapid support and delivery for critical need

For more information, visit
Eaton.eu/datacenters

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