

DATA CENTER SOLUTIONS

**HIGH-PERFORMANCE
SWITCH-RATED PLUGS & RECEPTACLES**

FOR GREATER PUE, UPTIME, AND HEAT-MITIGATION



SWITCH-RATED PLUGS AND RECEPTACLES

The MELTRIC® Advantage **Exclusive Switch-Rated Safety**

MELTRIC® Switch-Rated plugs and receptacles combine the safety and functionality of a switch with the convenience of a plug and receptacle. They help ensure worker safety while reducing equipment and labor costs. They are UL/CSA rated for motor circuit and branch circuit disconnect switching, and meet NEC code requirements for line-of-sight disconnects. Switch-Rated plugs and receptacles eliminate the need for expensive auxiliary disconnects and enable plug-and-play equipment changeouts.

Simplify Maintenance Efficiency

Plug-and-play connections streamline maintenance during downtime events.

Superior Safety Ensured

Prevent exposure to arc flash and live parts, simplify NEC, NFPA 70B, and NFPA 70E compliance.

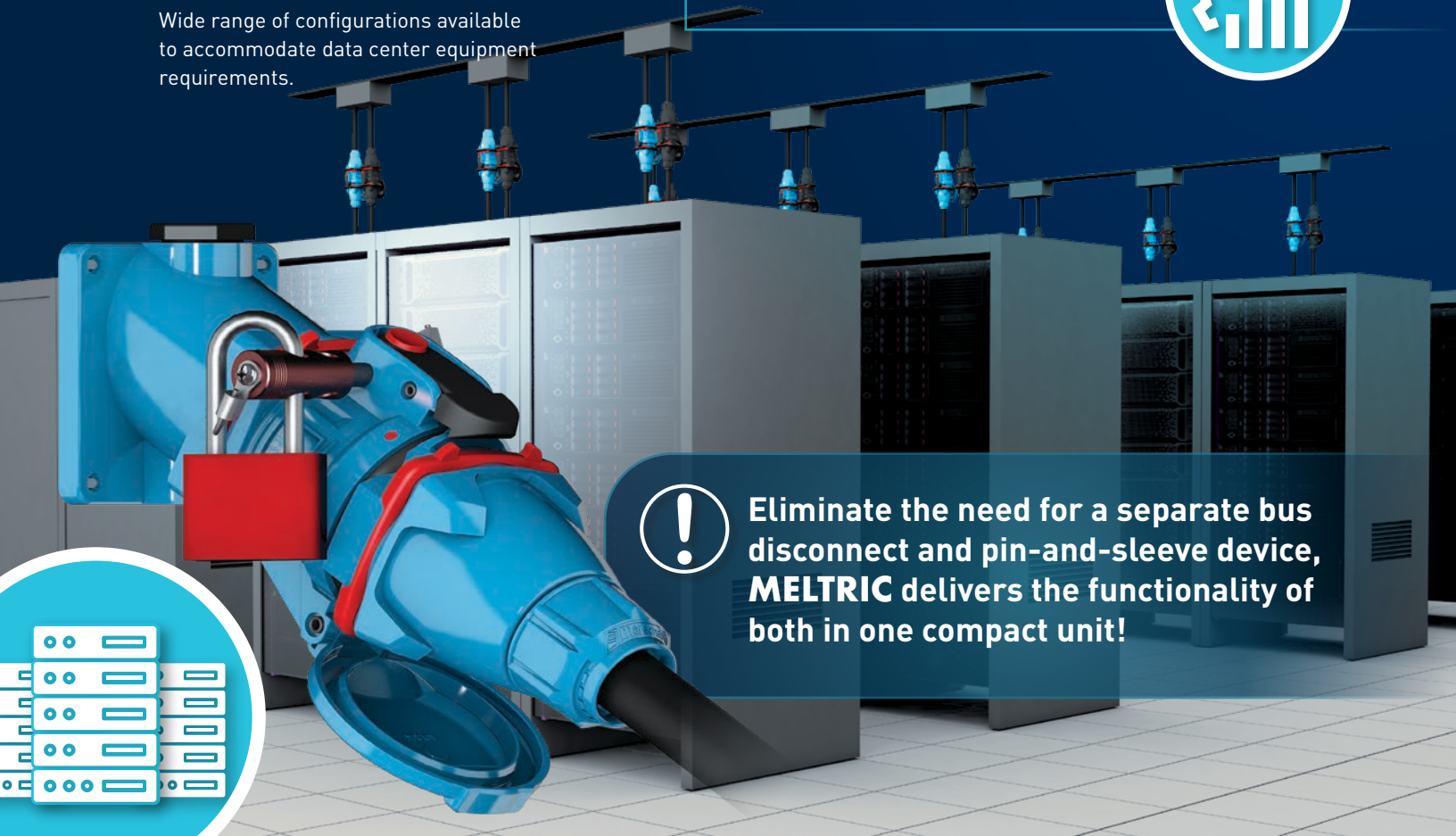
Versatile Compatibility

Wide range of configurations available to accommodate data center equipment requirements.

MELTRIC devices combine a **UL-listed disconnect, safety switch, and electrical connection** into a single solution—saving space, time, and costs. Advanced safety features minimize the need for PPE, as the **Switch-Rated plug and receptacle** serve as an **NEC-approved line-of-sight disconnect**, providing **instant zero-energy visual-verification** with LOTO directly on the device.



Eliminate the need for a separate bus disconnect and pin-and-sleeve device, **MELTRIC** delivers the functionality of both in one compact unit!



POWER USAGE EFFECTIVENESS

Stop Wasting Expenses to Heat Loss!

Did You Know?



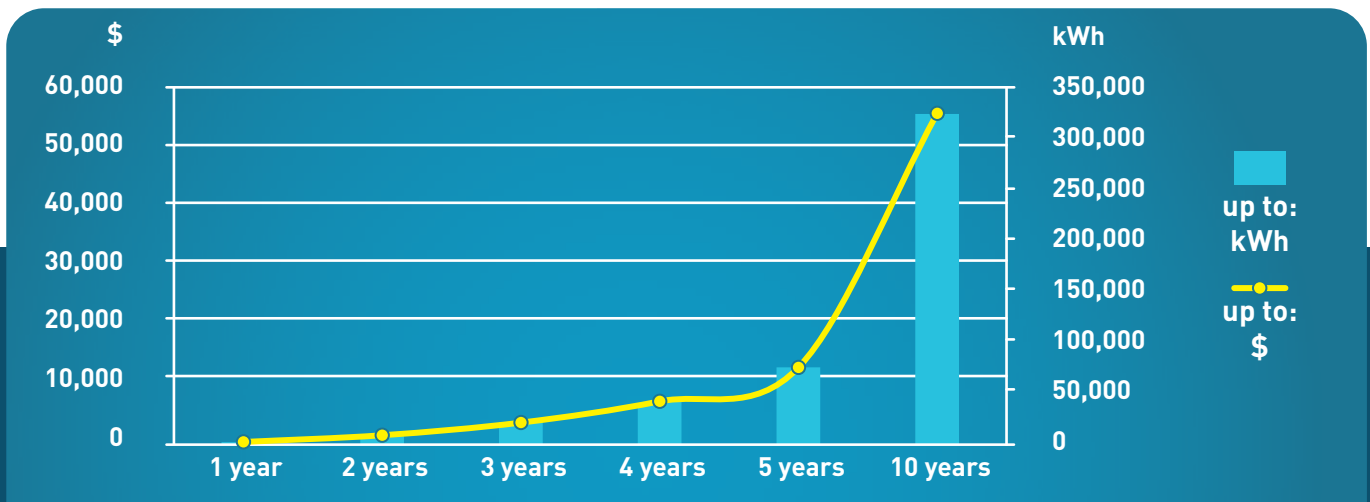
UP TO 40% OF PUE CAN BE CONSUMED IN A DATA CENTER FOR COOLING PURPOSES.

LOWER
OVERALL
COSTS

After
5 YRS
MELTRIC provides
up to **5**X more
energy
efficiency

After
10 YRS
MELTRIC provides
up to **30**X more
energy
efficiency

MELTRIC® IS **30X** MORE ENERGY EFFICIENT
AFTER 10 YEARS THAN A PIN AND SLEEVE

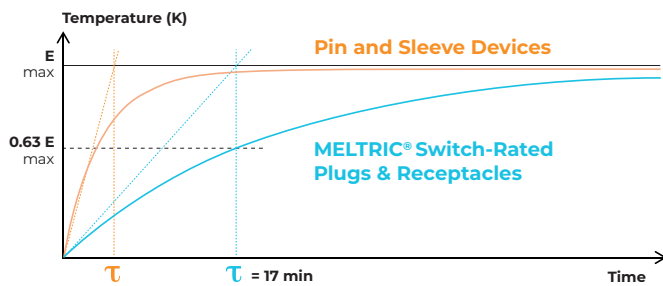
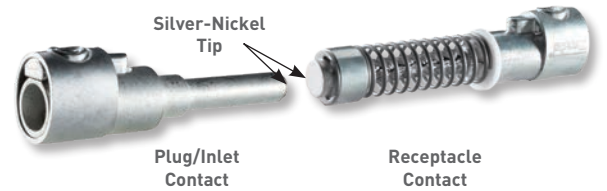


Based on laboratory tests comparing the performance of MELTRIC spring contacts and traditional pin and sleeve contacts. 250 devices total - 100x 20A, 70x 30A, 50x 60A, 30x 150A. 24/7/365 at \$0.1626/kWh.



MELTRIC Design Mitigates Energy Loss Reducing Significant Energy Overconsumption

Unique silver-nickel contact material lowers resistance ensuring optimal energy transfer during working lifespan.



Premium silver-nickel alloy used in butt-style contacts ensure an extremely low contact resistance thus reducing errant heat production.

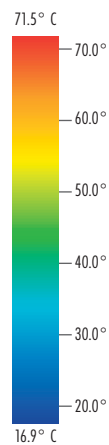


Switch-Rated Technology Optimizes Energy Transfer Saving Data Centers Substantial Costs in Cooling

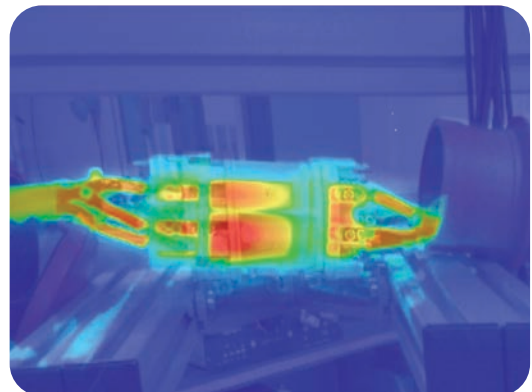
MELTRIC®



Heat Regulation = Long Lifespan



PIN-AND-SLEEVE COMPETITOR



Heat Loss = Short Lifespan



LESS HEATING = LESS COOLING DEMAND
The low Joule effect of MELTRIC® devices reduce energy consumption and improve your total PUE.

MELTRIC Switch-Rated Plugs and Receptacles are Ideal for Connecting Power Throughout your Data Center

DATA CENTER
WEB PAGE >>

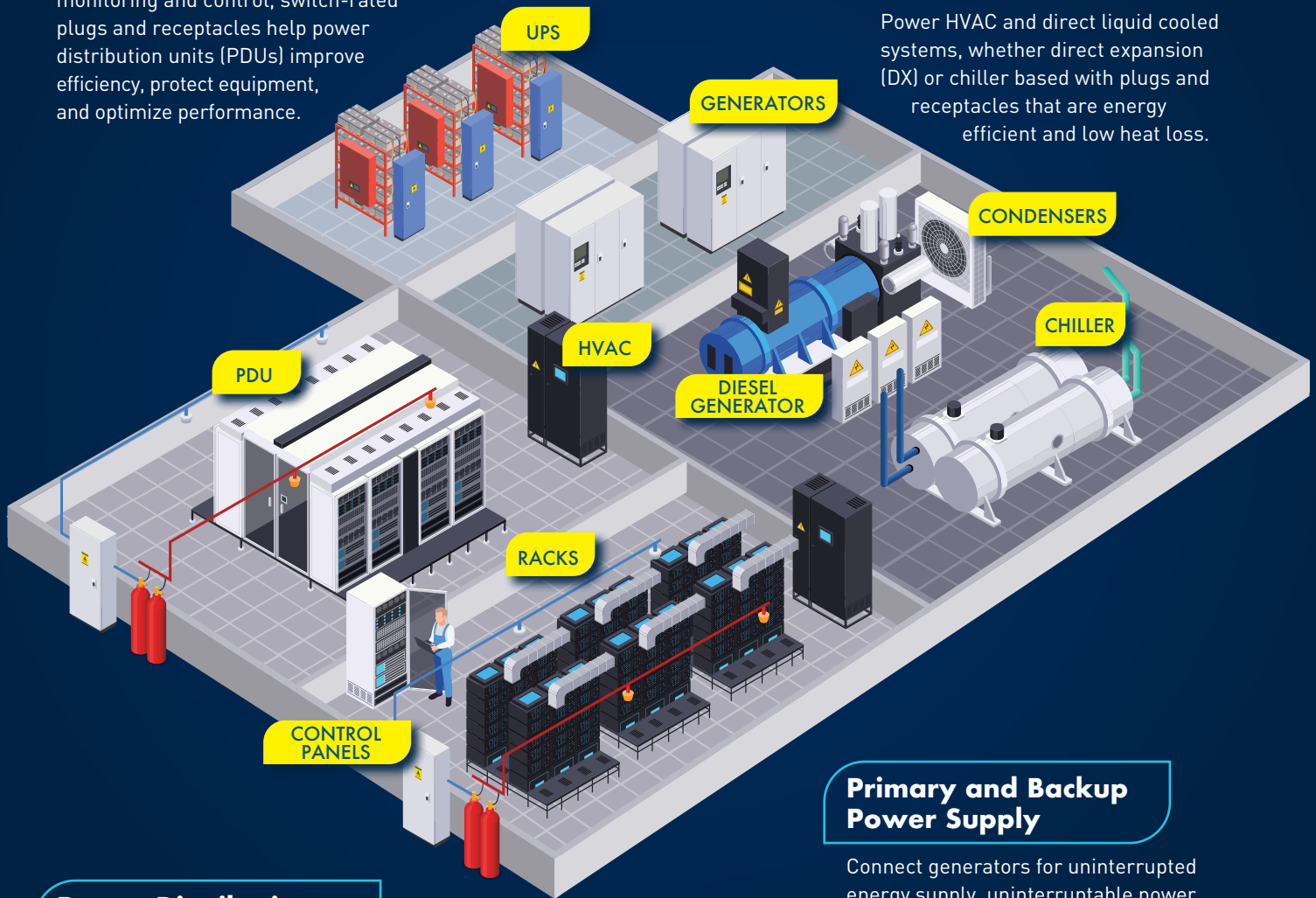


Advanced Monitoring and Supervision

Thanks to integrated auxiliaries for monitoring and control, switch-rated plugs and receptacles help power distribution units (PDUs) improve efficiency, protect equipment, and optimize performance.

Cooling and Thermal Regulation

Power HVAC and direct liquid cooled systems, whether direct expansion (DX) or chiller based with plugs and receptacles that are energy efficient and low heat loss.



Power Distribution and Management

Easily connect junctions between distribution cabinets and equipment, transformers, and power management systems.

Primary and Backup Power Supply

Connect generators for uninterrupted energy supply, uninterruptible power supplies (UPS), for protection against unexpected power outages and voltage fluctuations.

Switch-Rated Plugs & Receptacles Uniquely Allow You to Disconnect Individual Pieces of Equipment Without Requiring a Full Shutdown

ALL AT THE PUSH OF A BUTTON



Electrical Connection Solutions for Your Industrial Applications

In addition to the innovative Switch-Rated devices featured in this brochure, MELTRIC offers a full line of industrial plugs and receptacles providing solutions for a broad range of electrical connection applications.

Explore the Complete Line of MELTRIC Plugs, Receptacles, and Accessories

- Multipin devices available with 4-37 contacts
- Hazardous Location devices for Class 1 & 2 Div 2 and Zone 1/21 & 2/22 environments
- High Temperature devices, up to 30 A, 465°F
- High Amperage devices, up to 600 A
- Power Distribution—Rubber Boxes, Panel Assemblies, Custom Configurations, Receptacle/Wall Box Combinations, and more



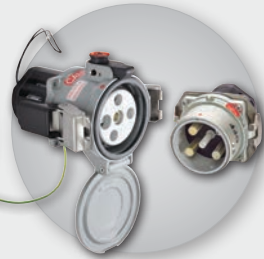
Multipin



Hazardous Location



High Temp



High Amperage



Power Distribution

Our friendly engineering and customer service teams are available Monday - Friday, 7 a.m. - 5 p.m. (Central Time)

Phone: 414-433-2700
Email: mail@meltric.com

MELTRIC excels with the industry's leading delivery times.

Request a free product to try before you buy.



Plug into **BLUE**

meltric.com

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