



# DATA CENTER

SOLUTIONS



 **electrorack**  
ENCLOSURE PRODUCTS

THREE SIMPLE WORDS THAT CLEARLY DESCRIBE HOW WE APPROACH A DATA CENTER PROJECT.

# Define.

It is essential to clearly define the project requirements up front to eliminate any surprises at delivery. Our skilled sales team is trained to work through the process directly with our clients.

# Design.

The design process begins immediately after defining the requirements. Using the customer-supplied project information, we draw on our extensive experience and product portfolio to develop the best solution for each unique rack configuration.

# Deliver.

The delivery process begins immediately after the final designs are completed. As each order is built specifically for you, we create drawings and programs to allow manufacturing to accurately produce the agreed upon designs.

At Electrorack, the delivery process never stops. We constantly work to “deliver” our clients not only products, but service and support every step of the way. It’s this foundation that has helped us forge strong relationships and partnerships with world-class organizations for over five decades. Experience the difference. Experience Electrorack.

## The Difference.

- **NEVER-OBSOLETE GUARANTEE** – we’ll build your rack any time in the future, so buy with confidence today knowing you can get the same product when you need it – don’t get stuck buying what you don’t want or doesn’t match!
- **BUILD-TO-ORDER** – It’s your data center, shouldn’t it be your solution?
- **PRE-CONFIGURE ALL ACCESSORIES IN RACK** – reduces installation costs & packaging waste.
- **ONE MODEL NUMBER FOR EACH UNIQUE ASSEMBLY** – simplifies ordering & receiving.
- **LIMITED LIFETIME WARRANTY**

DELIVERING THE RIGHT INFRASTRUCTURE FOR YOUR MISSION-CRITICAL NEEDS

# Racks & Enclosures

## ■ Eclipse™

### SERVER RACKS & NETWORKING CABINETS



- Multi-vendor platform, 19" EIA310D server rack
- True 24"W footprint (with side panels) aligns with floor tiles
- 42U, 45U & 47U standard heights
- 40", 42" & 48" depths; 32"D available on 28" wide networking cabinets
- 180 degree door swing – full-width front and split-rear door
- Heavy-duty, 12 gauge steel fully adjustable mounting angles
- "Zero footprint" 2-piece side panel construction
- Fully-welded 14 gauge frame construction
- Rugged 2,000 lbs. weight load capacity
- UBC zone 4 compliant

## ■ CoVault™

### COLOCATION CABINETS 1, 2, 3 OR 4 COMPARTMENTS



- 1, 2, 3 or 4 compartments available
- Secure cable pathways to each compartment prevent tampering
- Reversible cable ducts to accommodate top or bottom cable entry
- Heavy-duty all 14 gauge steel construction (doors 16 gauge)
- Standard mechanical 3 digit combination locks - other styles available
- Gangs to full height, single-bay Eclipse cabinets of same height and depth
- Ships with two pair of mounting angles per compartment
- Mounting angles are fully adjustable - front to rear
- Full-mesh front and rear doors with 180 degree door swing

## ■ Other available products:

- 4 post open racks
- Wall cabinets



THERMAL PROTECTION FOR YOUR ASSETS

# Cooling

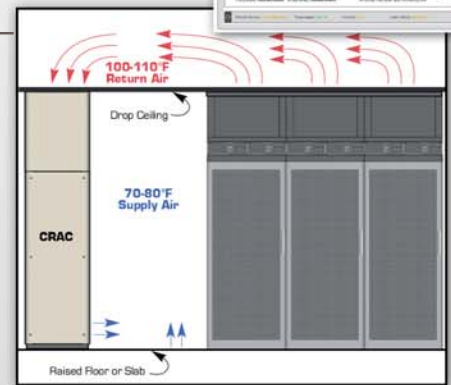


Remote monitoring through detailed GUI

## ■ CoolCirc-IT™

### ACTIVE HIGH-DENSITY HEAT CONTAINMENT

- Scalable to 30kW
- Pressure-controlled system dynamically scales airflow to match equipment load in a rack
- Achieve up to 100% utilization of cooling infrastructure
- Eliminate hot spots and deploy more equipment or racks without adding cooling capacity
- Reduce energy consumption by raising supply air temp to upper-ASHRAE limits
- Deploy on raised floor or slab environments
- Does not consume floor space
- IP Access to perform real-time cooling capacity assessment and alert to alarm conditions



CoolCirc-IT Airflow Diagram

## ■ Contain-IT™

### AISLE CONTAINMENT SYSTEM

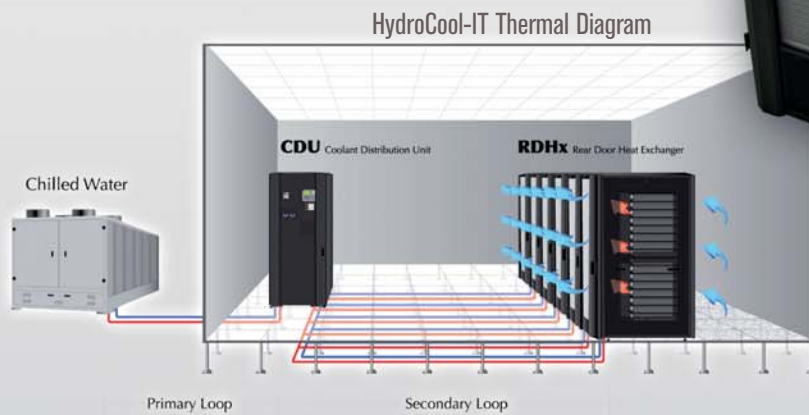
- Retrofit to almost any installation
- Translucent panels allow light to pass for improved visibility
- Sliding doors minimize the space required versus swinging door solutions
- Levelers accommodate uneven flooring to align doors
- Brush seals help prevent leakage
- Modular design speeds installation
- Translucent material has an ASTM E84 Class I fire-rating
- FM 4910 approved insert option
- Built-to-order for your space



## HydroCool-IT™

### PASSIVE HIGH-DENSITY WATER-COOLED DOOR

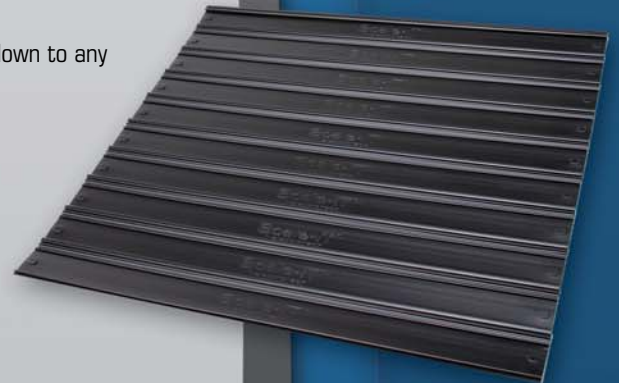
- Cabinet-based rear-door heat exchanger
- Removes heat from cabinet densities in excess of 30kW
- Passive design - no fans, moving parts or electrical connections
- Coolant distribution units create a secondary chilled water loop
- Operates above dew point so there is no condensation
- No rearrangement of cabinets required – adds on to back of rack
- Typical return on investment in less than one year



## Scale-IT™

### SCALABLE BLANKING PANELS

- Integrated living-hinge design prevents airflow leakage between connected panels
- Reusable, snap-together design easily scales up or down to any opening size
- Compatible with 19" EIA vertical mounting angles
- Lightweight construction for easy handling
- Stack in the flat to minimize storage space required
- Ship in sections of 10 connected panels to speed installation
- Made of UL94V-0 fire-rated material
- Dimensions: 1U (1.72")H x 19"W
- RoHS compliant



INNOVATIVE, FLEXIBLE POWER SOLUTIONS FOR A  
WORLD OF GROWING APPLICATIONS

# Power

## ■ Rack Distribution Units

### PRODUCT HIGHLIGHTS

- **Multiple Power Distribution Options:** 120V, 208V, 230V & 3-phase power options. 15, 20, 30, 50 & 60-Amp power input feeds to maximize whip efficiency to your load.
- **NEMA or IEC Receptacle Configurations:** Models are available with NEMA 5-15R or 5-20R receptacles or IEC C13 or C19 receptacles.
- **Basic, Metered, Monitored & Switched:** Match your level of access and control required for your equipment.
- **Remote IP Access Solutions:** Monitored & Switched units provide remote access to manage PDU's from anywhere.
- **Individual Port Monitoring:** Monitor the current draw at the individual outlet level.
- **Environmental Monitoring:** Monitored & Switched units can allow users to monitor, and set alarms, for temperature and humidity conditions.
- **RMS Metering:** Accuracy is critical when monitoring loads, that's why we utilize industry-leading true RMS meters.
- **Zero U and Rack-mount models:** Both vertical and horizontal unit form factors are available.
- **Unsurpassed Mounting Flexibility:** Complete offering of tool-less mounting bars and side and recessed-mount brackets allow power to mount virtually anywhere in a rack.
- **Tested to UL60950-1:** Our PDUs are tested to the latest standard for IT equipment - UL60950-1.

## Power Mounting Options

### ■ Tool-less Mounting

Utilizing buttons on the back of all vertical PDUs, allows users to quickly mount or remove units on our Vertical Power Mounting Bars inside the enclosure. Units slide into the keyhole slots on the power bars.









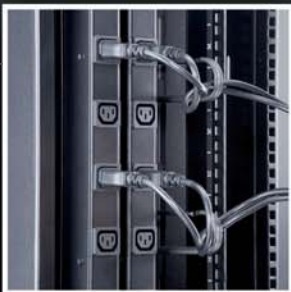
### ■ Zero U Power Mounting Bars

Available in widths to accommodate 1, 2 or 3 vertical PDU's or a combination of PDU's and cable management rings. Bars can mount anywhere along the front-to-back Unistrut frame members of Electrorack enclosures. In 24" or wider enclosures the body of the PDU's do not block access to the mounting holes.

WE HAVE THE POWER. YOU HAVE THE CHOICE.

# Power Style Features & Benefits

		Benefit					
		Deliver power to equipment in a cabinet	Make informed decisions at the cabinet about adding/balancing the load to prevent over-load/circuit failure	Remote access to identify/monitor power load issues via IP from anywhere in the world	Monitor critical environmental conditions that may impact equipment performance to prevent downtime	Determine your own thresholds for notification via e-mail or pager of pending power, temperature or humidity issues	Turn individual receptacles on/off or reboot equipment remotely via IP from anywhere. Turn off unused receptacles to prevent unauthorized equipment connections
Style	Switched	●	●	●	●	●	●
	Monitored	●	●	●	●	●	
	Metered	●	●				
	Basic	●					
	Power Distribution	Local Current Meter on Unit	Current Monitoring via IP	Temperature Humidity Monitoring via IP	User-defined Alarm Thresholds	Receptacle Control via IP	
							
							Feature



## Side-mount Brackets

Innovative tool-less side-mount brackets allow power receptacles to face forward or backward in the rack. This orientation keeps the plugs out of the rack space, improving access to equipment mounting holes and minimizing blockage of exhaust airflow.



EVERYTHING YOU NEED TO CREATE THE PERFECT SOLUTION

# Accessories

## Cable Management

Proper cable management minimizes airflow obstructions in the rack, allowing air to properly flow through the rack resulting in cooler equipment, which improves reliability. Vertical and horizontal rack-mount options are available to manage fiber or copper within the rack.

## Shelves & Drawers

A wide selection of 2-post and 4-post shelves and drawers are available to meet the challenges of storing non-rack-mount equipment, documentation, tools, or other items right at the rack.

## Rack-mount LCD's

Rack-mount LCD's are a space efficient, convenient way to manage equipment while inside the data center. The units store in a small 1U form factor, slide out, then open to reveal a keyboard, pointing device and the LCD screen. The clamshell design protects the screen while in the closed position.

## KVM Switches

KVM Switches provide access to multiple servers or other networking equipment from a single keyboard, monitor and mouse. Whether you require simple local access to servers, or remote IP access of an enterprise data center, Electrorack has a portfolio of products to meet your needs.



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