

# VOLTZ™

*by Raptor Power*

## PRODUCT BROCHURE

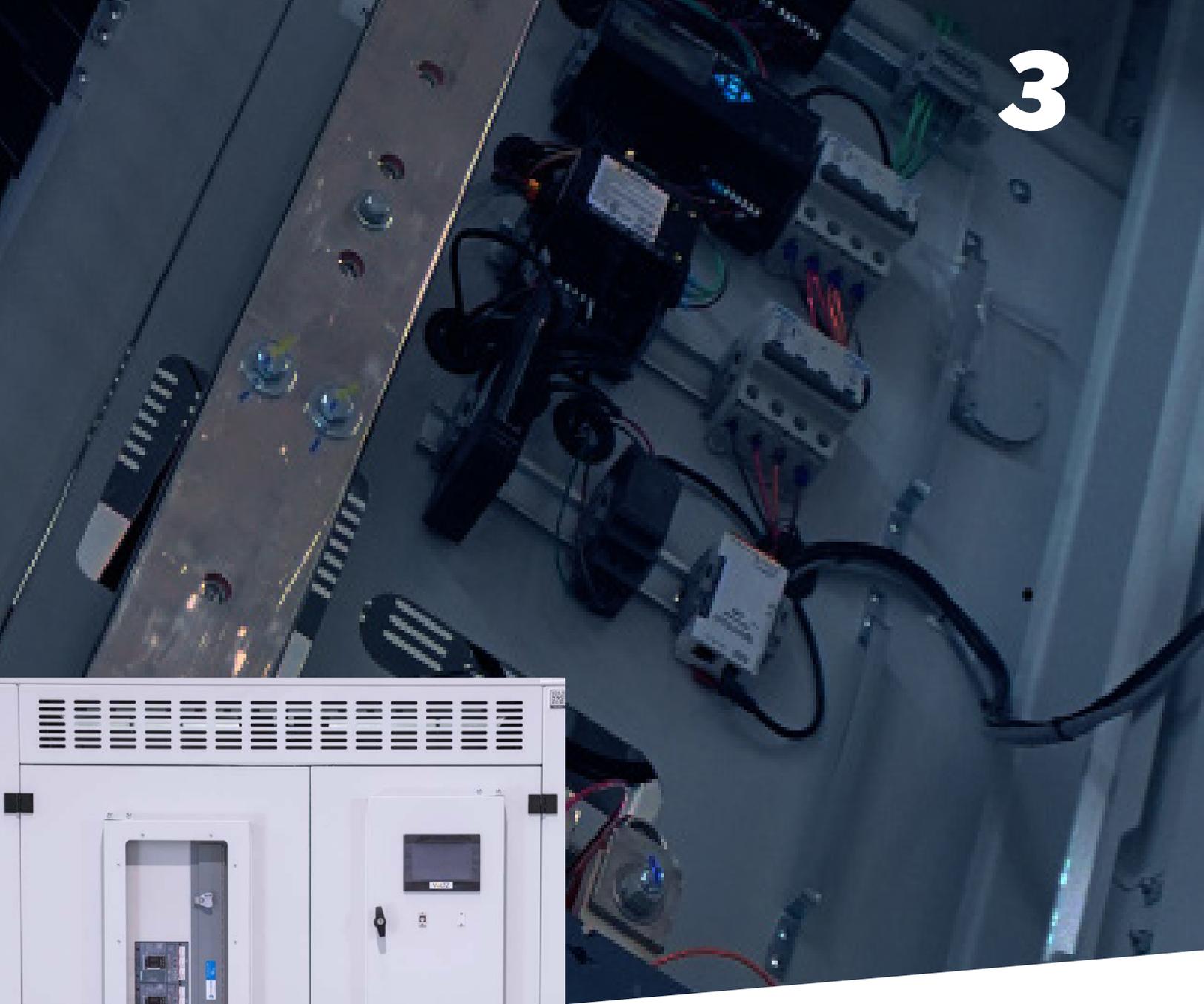
**SWITCHBOARDS, PDUs, RPPs, WHIPS**

Champaign, IL | Eatontown, NJ | Somerville, NJ



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**VOLTZ**<sup>™</sup>  
POWER DISTRIBUTION PRODUCTS  
*by Raptor Power*

## ABOUT VOLTZ PDUs

### Voltz PDUs: Revolutionizing Power Distribution with Precision

Discover the power of precision with the Voltz Power Distribution Units (PDUs). These units are specifically engineered for data centers and commercial applications, combining voltage transformation and circuit protection into a single, efficient point.

Offering power sizes ranging from 150 kVA to 1200 kVA, Voltz PDUs simplify high-current distribution. The units feature flexible internal transformers, enabling multiple input and output voltages. With customization options such as 415Y/240, 400Y/231, 208/120, we can meet any voltage requirements for your applications.

Voltz PDUs are equipped with 100% rated, electronic trip circuit breakers from leading manufacturers, ensuring top-notch circuit protection. For safeguarding critical loads, every unit comes with built-in TVSS/SPD on the primary side of the transformer. Plus, the design allows for power entry and exit from the top or bottom of the unit, enabling optimal installation configurations.

#### Transformers

The internal transformers of Voltz PDUs are versatile and robust. Accepting inputs of 480V, 415V, or 208V, they output at 480V, 415V, 400V or 208V. These transformers are:

- K4, K9, K13, K20
- Isolation transformer
- All copper windings
- High impedance available
- Compliant with DOE standards
- UL Listed



#### Circuit Breakers

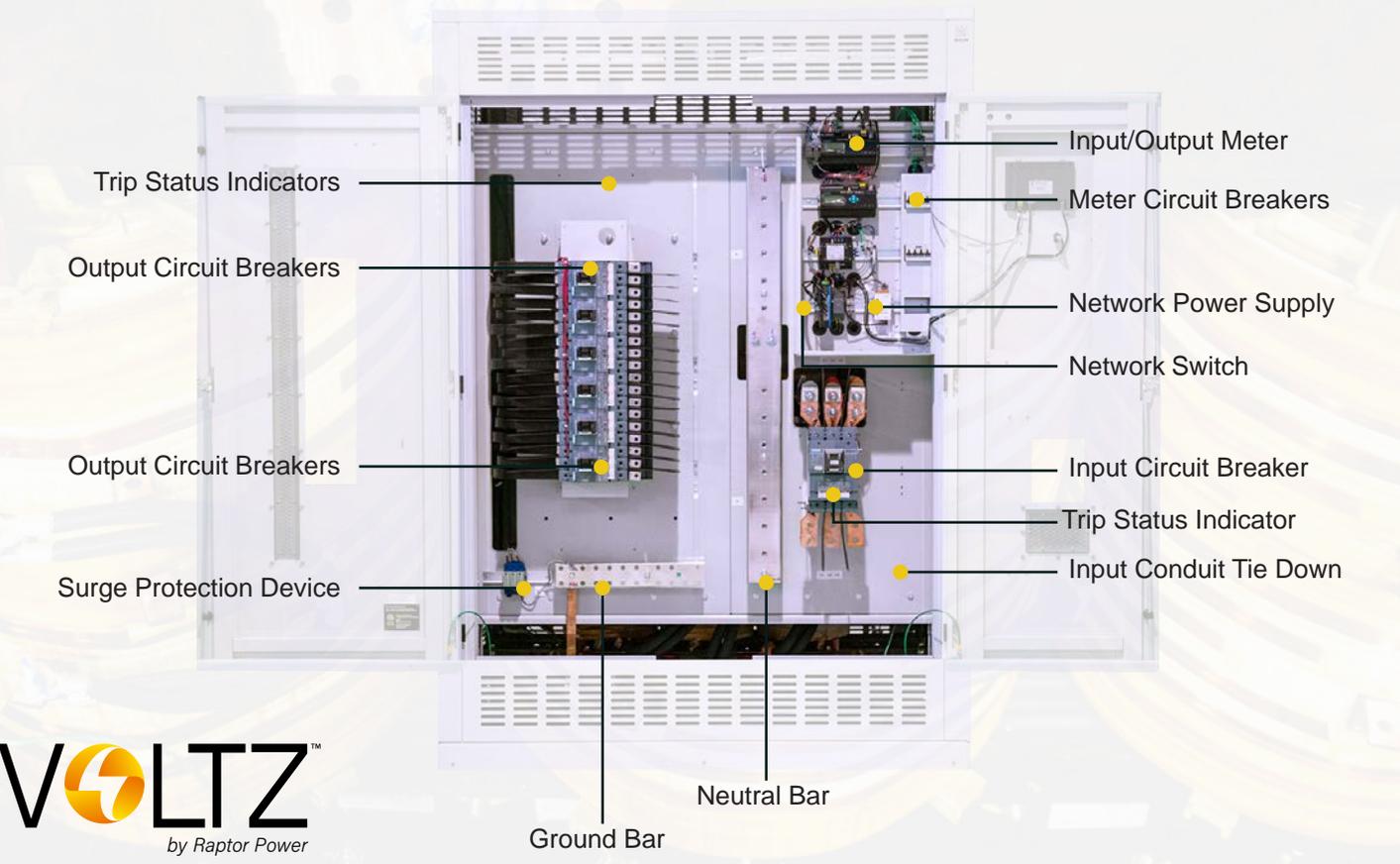
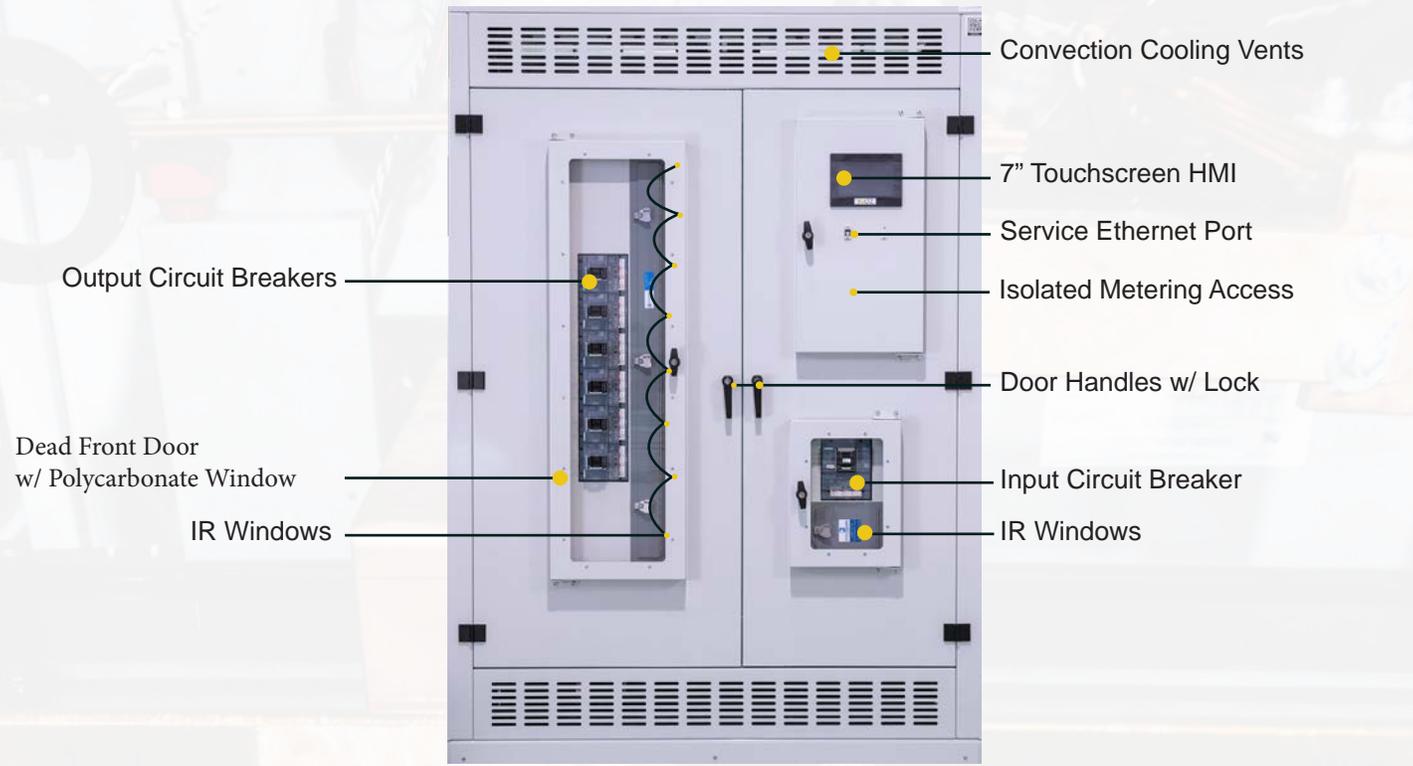
We prioritize safety. Our PDUs only employ 100% rated, electronic trip circuit breakers from major manufacturers. Breaker sizes can reach up to 1000 amps on the input and up to 600 amps on the output. Depending on the output voltage configuration selected, you can choose up to seven output breakers.

#### Monitoring & Protection

For those seeking enhanced control and security, our PDUs offer optional monitoring of current, voltage, and other critical power parameters from the input and output circuit breakers. Stay informed with alarm notifications and connect monitors to a BCMS via Modbus, Ethernet, or RS232. Protect your loads with a primary side TVSS/SPD. Step into the future of power management with Voltz PDUs.



## PDU FEATURES



## TECHNICAL SPECIFICATIONS

### Ratings

Power: 150kVa - 1000kVA  
Input: 480V 3 Phase or 600V 3 Phase  
Output: 208V, 400V, 415V, or 480V 3 Phase  
Optionally have all voltages via multitap transformer  
Transformer Material: Copper  
K-rating: K4, K9, K13, or K20

### Circuit Breakers

Brands: SIEMENS 3VA Series  
Type: 100% Rated ETUs  
Amperage: 150 amp - 1500 amp frame sizes  
Monitoring: Trip status and on/off indicators  
Lugs: Compression or mechanical, single or dual lugs

### Monitoring

7" Color Touch Screen HMI  
Communications: Serial RS-485 Modbus RTU; Modbus TCP/IP, REST API, WebServer, or SNMP  
BCMS for up to 96 circuits per metering module  
Revenue-grade true RMS metering  
kW, power factor, THD measurement + 50 more power parameters

### Mounting & Operating Conditions

Floor mount  
Top or bottom entry/exit  
Operating temperature -67° to +185°F (-55° to +85°C) Storage temperature  
Audible noise  $\leq$  45dBA  
Relative humidity 0% to 95% non-condensing  
Operating altitude up to 6,600 ft. (2,000m)

### Safety standards

ETL Listed to UL 62368-1 and CSA standards  
ISO 9001:2008 Certified

### Customization

Raptor Power Systems is dedicated to providing customized solutions to meet the specific requirements of your application. We understand that each customer's needs are unique and may not always align with the standard options available in the market. That's why we offer personalized solutions to meet your specific requirements. Contact for details.



After your equipment has been installed, call on the  
Raptor Power Systems service team, at (800) 258-0129.



VOLTZ



# VOLTZ™

## REMOTE POWER PANELS

*by Raptor Power*

## ABOUT VOLTZ RPP

### VOLTZ Remote Power Panels: Powering your projects, empowering your success.

Meet VOLTZ's Remote Power Panels (RPPs), your trusted sidekick in power distribution for data centers and industrial applications. We've meticulously designed our RPPs to pack a punch while offering unrivaled versatility and adaptability.

Our RPPs are like a Swiss army knife for your project, equipped with a variety of voltage configurations, including 208Y/120V, 208V DELTA, 415Y/240V, and 480Y/277V. Whether you need MLO (main lug only) or input breakered units, we've got you covered.

But what makes our panels really shine? We only use components sourced from industry-leading manufacturers like Schneider Electric, Eaton, and ABB. Our RPPs feature top-notch Schneider Electric panel board interiors, available in 42 poles or 84 poles and 225 amps up to 800 amps. And for those who seek the extraordinary, we even offer custom options with up to 168 poles.

When it comes to circuit protection, we don't mess around. Our panels exclusively use 100% rated, adjustable trip, electronic trip circuit breakers for main input protection. Add to this UL 489 rated branch circuit breakers matched to the manufacturer of the panelboard interior, and you've got yourself a fortress of safety.

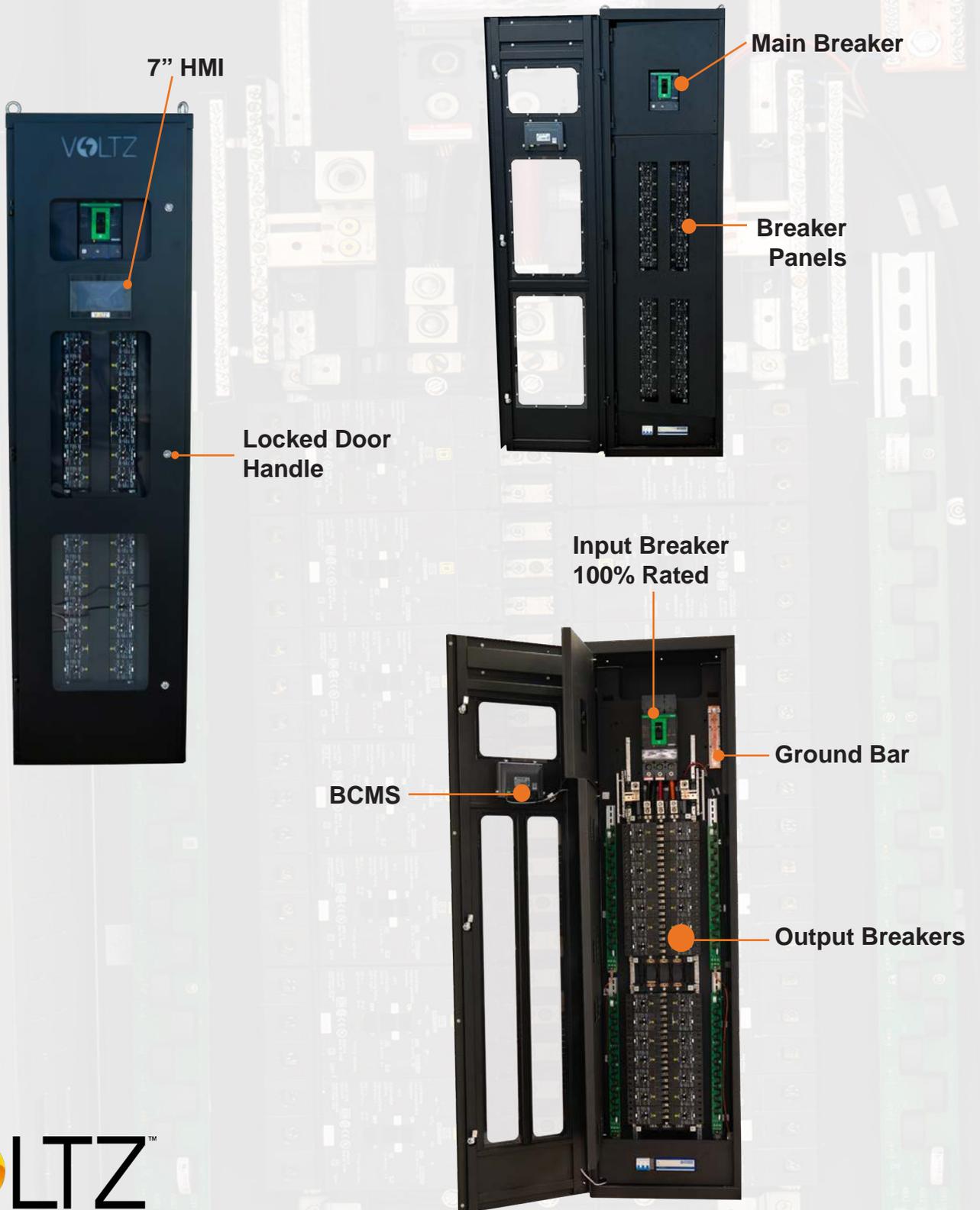
Perhaps you're someone who enjoys keeping tabs on everything. If so, our optional revenue-grade branch circuit monitoring system with 7" HMI is just what you need. Measure input and branch circuits while capturing, alarming, and logging over 50 power parameters. It's like having your own personal electricity detective.

And let's not forget about customization. We understand that one size doesn't fit all. That's why we go the extra mile to design and build custom RPPs that perfectly match your unique project requirements.

To sum it up, our VOLTZ RPPs are not just power panels; they're a testament to our commitment to quality, innovation, and customer satisfaction. With industry leading turnaround times and top-tier components, we promise not just to meet your expectations but to exceed them.

So why wait? Get in touch with a VOLTZ RPP Expert today and experience the power of perfection!





## FLEXIBLE LAYOUTS

### **FLEXIBLE** Layouts to **MAXIMIZE** Your Floor Space

Our RPPS are designed to adapt. Install them as single units, side-by-side, back-to-back, or a combination — whatever fits your floor plan best. Compact, configurable, and built for seamless integration.



After your equipment has been installed, call on the Raptor Power Systems service team, at (800) 258-0129.

**Ratings**

Input/Output: 3-phase, 3-wire plus ground OR 4-wire plus ground

Input Voltage @ 60 Hz: 208V, 400V, 415V, 480V

Output: 1-phase or 3-phase, 3-wire plus ground or 4-wire plus ground

**Panel Boards**

Brands: SquareD / Schneider Electric

Number of poles: 42 or 84 (custom up to 168 poles)

Amperage 225A, 400A

Input Breakers: 100% rated ETU up to 400A

Output Breakers 1-pole, 2-pole, or 3-pole up to 100A

**Monitoring**

7" Color Touch Screen HMI

Communications: Serial RS-485 Modbus RTU; Modbus TCP/IP, REST API, WebServer, or SNMP.

BCMS for up to 96 circuits per metering module

Revenue-grade true RMS metering kW, power factor,

THD measurement + 50 more power parameters

**Mounting & Operating Conditions**

Wall or floor mount

Operating temperature -67° to +185°F (-55° to +85°C) Storage temperature

Audible noise ≤ 45dBA

Relative humidity 0% to 95% non-condensing

Operating altitude up to 6,600 ft. (2,000m)

**Safety standards**

ETL Listed to UL508A and CSA standards

ISO 9001:2008 Certified

**Customization**

Raptor Power Systems is dedicated to providing customized solutions to meet the specific requirements of your application. We understand that each customer's needs are unique and may not always align with the standard options available in the market. That's why we offer personalized solutions to meet your specific requirements. Contact for details.



**VOLTZ**<sup>12</sup><sup>TM</sup>

**OPENSELECT**

*by Raptor Power*



## ABOUT VOLTZ OPEN SELECT RPPs

**OPEN**SELECT

**V**oltz **Open**Select RPP  
Redefining Flexibility and Supply Chain Resilience in Power Distribution

Voltz **Open**Select RPP is engineered with a forward-thinking, modular architecture that delivers unmatched flexibility, reliability, and efficiency. Designed with the challenges of modern data centers and high-density applications in mind, the Voltz RPP breaks through traditional limitations with its manufacturer-agnostic bus system, wide ampacity range, and pole-unlimited design.

### Circuit Breaker Agnostic Architecture

One of the most common pain points in large-scale RPP deployments is breaker availability and OEM dependency. The Voltz RPP addresses this directly by offering true circuit breaker agnosticism:

- **Freedom from OEM Breaker Constraints:**  
*Use any breaker from any manufacturer, enabling rapid response to market conditions and inventory availability.*
- **No Redesign Required:**  
*Swap out breaker manufacturers without triggering a costly redesign process.*
- **Accelerated Procurement:**  
*Bypass traditional delays caused by long-lead OEM panelboard or breaker shortages.*
- **Futureproof Upgrades:**  
*If supply chain circumstances change, your power infrastructure doesn't have to.*

This adaptability reduces dependency risk and increases procurement speed—critical advantages in today's volatile global supply environment.

### Unlimited Pole Configurations

The Voltz **Open**Select RPP shatters the limitations of traditional panel configurations (e.g., 24, 42, or 84 poles) with a modular, pole-scalable design:

- **Any Number of Poles:**  
*Build the exact pole count needed for your deployment—no waste, no compromise.*
- **Right-Sizing at Scale:**  
*Eliminate the overbuild or underbuild dilemmas caused by fixed pole panelboards.*

**FLEXIBLE POWER INPUT****OPENSELECT**

- **Maximized Rack Utilization:**

*Tailor pole count to rack density and IT load requirements. This unlocks the ability to custom-engineer each RPP to the actual needs of the application—whether it's for a hyperscale data hall or a targeted edge deployment.*

Flexible Power Input: 250A to 1200A

Built on a power-dense RPP-style footprint, the Voltz RPP supports any input from 250 amps up to 1200 amps:

- **Scalable Infrastructure:**

*Accommodates low-to-high power densities within the same panel design.*

- **Footprint Efficiency:**

*Maintain an extremely dense footprint regardless of amperage.*

- **High-Performance, Compact Delivery:**

*Suitable for colocation, AI training clusters, or any high-density application.*

Let's build your next-generation power backbone—**with no constraints.**



## MANUFACTURER AGNOSTIC

OPENSELECT

### VOLTZ OPENSELECT RPP

The only RPP designed to work with **ANY BREAKER**, from **ANY VENDOR**, **WITHOUT DELAY**.

Manufacturer - **agnostic breakers, unlimited poles**, and **scalable inputs** from **205A to 1200A** — so you can build what your power backbone needs, without redesigns or delays.



#### INVENTORY AGILITY, **FEWER BOTTLENECKS**

Leverage what you have and **pivot as needed**.

- Use existing breaker stock and reduce waste
- Switch suppliers without compromising the panel

#### STREAMLINED DEPLOYMENT, **FASTER APPROVALS**

Shorten cycles and **keep projects moving**.

- Fewer redesign loops and faster BOM approvals
- Reduced engineering overhead



#### FLEXIBLE POWER INPUTS, from **250A-1200A**

Support low to ultra-high density without changing your footprint.

**One platform, multiple ampacities.**

- Inputs from 250A up to 1200A.
- Maintain compact, power-dense footprint across ratings.
- Ideal for colocation and AI training clusters.



## UNLIMITED POLES

OPENSELECT

**UNLIMITED POLES**, RIGHT-SIZED TO YOUR LOAD

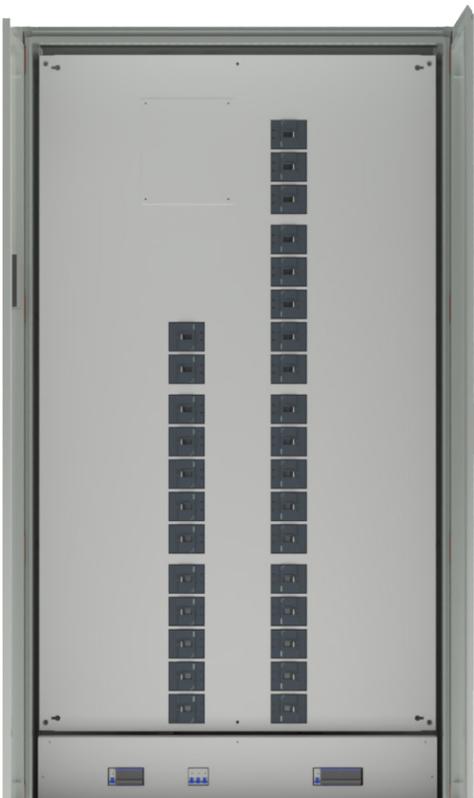
Go beyond fixed 24/42/84 pole panel limits with a modular, pole-scalable bus. Build exactly the pole count each room or row needs — **no overbuild, no underbuild.**

- Any number of poles; eliminate fixed-panel constraints.
- Right-size at scale for hyperscale halls or targeted edge builds.

CIRCUIT BREAKER **AGNOSTIC**, BY DESIGN

Use any breaker from any manufacturer. Swap vendors without a costly redesign, accelerate procurement, and **keep future upgrades open** — even when supply shifts.

- Freedom from OEM constraints.
- No redesign required when you change breaker brands.
- Faster procurement; bypass long-lead OEM bottlenecks.
- Future-proof upgrades under changing supply conditions.



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## **VoltzPOWERWhip** by RaptorPower

**UL Listed** Cable Assemblies

Engineered for flexibility, safety, and performance



**VOLTZ**<sup>™</sup>  
**POWERWHIPS**  
*by Raptor Power*

## ABOUT VOLTZ POWER WHIPS

Voltz**POWER**Whip

### TAILORED Connections for EVERY Facility

Voltz Power Whips are designed to adapt seamlessly to your infrastructure — whether you're scaling a hyperscale data center, building AI clusters, or upgrading enterprise IT. With flexible amperage, voltage, and connector options, our solutions ensure reliable power delivery and easy integration across every environment.

<b>Amperage</b>	15A, 20A, 30A, 50A, 60A, 100A,
<b>Voltage</b>	125V, 125/250V, 250V, 277V, 480V (Single-Phase, Two-pole, Three-pole, or Three-Phase depending on model)
<b>Receptacle Types</b>	<b>Straight-Blade Nema:</b> 5-15R, 5-20R, 5-30R, 5-50R, 6-20R, 6-50R, 7-30R, 7-50R
	<b>Locking Nema (L-Series):</b> L5-20R, L5-30R, L6-30R, L21-20R
	<b>CS Industrial Twist-lock:</b> CS8169, CS8269, CS8369, CS8469, CS6369/CS6370
	<b>IEC 60309:</b> 20A (3-pin, 4-pin), 30A (3-pin, 4-pin), 30A (480V, 4-pin), 100A (250V, 4-pin)
<b>Configurations</b>	Single, Duplex, Quad (NEMA). CS & IEC offered in single outlet configurations.
<b>Conduit Options</b>	Liquidtight Flexible Metallic (LFMC) + Non Metallic (LFNC), sizes ½" to 2" depending on amperage.
<b>Conduit Colors</b>	
<b>Lengths</b>	All assemblies available in custom conduit and wire-tail lengths.

## POWER WHIPS BUILT FOR DATA CENTERS

Voltz**POWER**Whip

### POWER WHIPS Built for Data Centers

Engineered for flexibility, safety, and performance — Voltz Power Whips keep your Data Center connected without compromise.

### Flexibility in Design, Custom-Built for Every Project

Every Voltz Power Whip is engineered to your exact requirements — Voltage, Amperage, and connector type are all tailored to fit seamlessly into your environment. They integrate directly with all major PDUs and RPPs, with both plenum and non-plenum options available for overhead or raised floor deployment.

### Safety First, Verified at Every Step

Each assembly is rigorously tested for polarity, continuity, and insulation resistance before it leaves our facility. With UL-listed components, clear labeling, and color-coded conductors. Voltz Power Whips make installation and ongoing maintenance safer and more straightforward.

### Resilient Supply Chains, Faster Deployments

Manufactured in the USA, our whips are built with a short lead time advantage. By sourcing from multiple components OEMs, we protect your projects from procurement delays and ensure consistent delivery schedules.

### Future-Proof Scalability, Ready for Next-Gen Loads

Whether you're powering AI training clusters or scaling enterprise IT infrastructure, Voltz Power Whips are designed to grow with you. Their adaptability to evolving voltage and amperage requirements ensures your facility stays prepared for what's next.



## CUSTOMIZE EVERY DETAIL

Voltz**POWER**Whip

### CUSTOMIZE EVERY DETAIL

From connector to conduit to labeling and timelines—build the power whip that fits your facility.

#### Pick Your Length & Conduit Color

Specify exact length (ft/m) and select conduit color. LFMC and LFNC available for flexible deployment.

#### Pick Your Connector Type

NEMA straight-blade or locking, CS industrial twist-lock, and IEC 60309 — built to match PDU/RPP and rack terminations.

#### Pick Your Custom Labeling

Circuit IDs, panel schedules, rack/aisle references, barcodes/QR — durable, field-friendly identifiers.

#### Pick Your Lead Time

Standard delivery or expedited production to meet tight commissioning windows with U.S. manufacturing.

## FROM RPP TO RACK

Voltz**POWER**Whip

From RPP to Rack, a **CLEARER** Path to **POWER**



Power Distribution doesn't have to be complicated. Voltz Power Whips create a direct, dependable link between Remote Power Panels and your IT racks — delivering flexibility, safety, and clarity at every step.

### Seamless Integration

Designed to connect directly with all major PDUs, RPPs, and Server Racks.

### Flexible Configurations

Available in multiple amperages, voltages, and connector styles.

### Built for Uptime

Tested, UL - listed components with short lead times and U.S. manufacturing.



*Social*  
**Media**  
**PLATFORMS**







# PRODUCT BROCHURE

SWITCHBOARDS, PDUs, RPPs, WHIPs

(800) 258-0129 | [www.voltzpwr.com](http://www.voltzpwr.com) | *Product Line* | Brochure

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