VERTIV.

Product brochure

Vertiv™ Liebert® RXV

Remote power panel

The Vertiv™ Liebert® RXV remote power panel helps meet high density power demands, with an intelligent monitoring system. The unit's compact footprint saves valuable floor space, reduces time to implement and enables flexible expansion of your distribution system for the future.

The Vertiv™ Liebert® RXV offers continuous power to critical applications in a reliable and safe manner, and dramatically reduces the time associated with distribution deployment. With Vertiv™ Liebert® DPM intelligent monitoring, data center and facility managers get a complete overview of all circuits and consumption, allowing users to capture, for example, Power Usage Effectiveness (PUE) values, optimize load distribution and ultimately, increase cost efficiency and energy efficiency within the data center.

The right solution

Entirely preconfigured, certified, and tested, the Vertiv Liebert RXV is the ideal solution for data center engineers, saving valuable planning time. With Vertiv Liebert DPM, you can easily monitor energy consumption at IT branch level, detect phase imbalances and threshold violations, with visual and audible alarm notifications.

Event-triggered waveform capture visualizes disturbances for faster root-cause analysis, helping teams optimize incident response, improve processes, and maximize uptime.

Vertiv Liebert RXV also delivers user safety and serviceability. Multiple PCB access sections, and optional EZ-View door provide safe operational interface. Optional finger-safe panelboards provide an additional layer of user security.

Adding value

The Vertiv™ Liebert® RXV features intelligent power monitoring at input and branch circuit level, with a 9" touchscreen color display, providing a one-line diagram, input breaker status, as well as equipment load level and power quality.

A navigation menu allows for easy system programming and equipment load management, along with the ability to import or export site-specific configurations to or from other units. The monitoring system offers voltage, current, power and energy metering with 0.5% accuracy, further integrating with your BMS systems to provide management of local and remote power distribution using automatic notifications of potential overloads, as well as local or remote emergency power-off.

Vertiv™ Liebert® RXV

Benefits

Suitable for any IT space

The Vertiv™ Liebert® RXV is a remote power panel ideal for small to large data centers, server rooms, network closets and remote facilities.

The unit offers flexibility for enterprise and colocation companies that require specific server distribution needs within a compact footprint.

With features like easy installation and serviceability, it is ideally suited for edge support environments and facilities with limited space.

Key features:

- **Reliable uninterrupted power** distribution for your IT infrastructure
- **High accuracy** metering for reliable load management
- **Load loss detection** indicates branch breaker status for quick insights to system performance.
- **High power density:**
  - 400 Amps 84 Poles in 24" x 12"
- **Available in two ratings:** 250 Amps or 400 Amps
- **Broad configurations range** 84, 54, and 42 pole panelboards; top and/or bottom landing; 208/120, 415/240, and 480/277 Vac
- **Intelligent power quality monitoring** via waveform capture with Vertiv Liebert DPM
- **Sustainable packaging** with multi-unit per skid shipping standard

Vertiv™ Liebert® RXV specifications

Technical characteristics	Model / Ratings / Version Vertiv™ Liebert® RXV 250 A	Model / Ratings / Version Vertiv™ Liebert® RXV 400 A
Rated current of the assembly	250 A	400 A
Rated and operational voltage	208/120, 415/240, 480/277 Vac	
Rated frequency (fn)	60 Hz	
Number of poles**	84, 54, 42	
Operating temperature	0 to 40°C	
Storage temperature	-25 to 70°C	
Display*	Integrated 9" color touchscreen display	
Standards		
Environmental	REACH; RoHS	
Regulatory	UL 62368-1	
Mechanical characteristics		
Height	79" / 2000 mm	
Width	24" / 600 mm	
Depth	12" / 305 mm	
Cable access	Top and/or Bottom	

Monitoring*	
Monitoring locations	Mains, branch circuits
Display	9” color touchscreen with user-friendly graphical interface showing one-line diagram and individual breaker status
Accuracy	0.5% for voltage, current, power, and energy
Power quality	Power factor, harmonics, waveform capture (optional)
Event logging	Up to 1000 events at 1ms timestamp precision
Communication	RDU120 monitoring card with UL2900-1 and IEC 62443-4-2 cybersecurity certifications
Protocols	Velocity RS-485, Modbus RS-485, Modbus (IP) TCP, BACnet/MSTP, BACnet IP, SNMP, SMS, HTTP/HTTPS, Email

*Optional

** 42 and 84 Poles Available in 208V only

Figure 1. *Vertiv™ Liebert® RXV (second access door view)*

Figure 2. *Vertiv™ Liebert® RXV (internal view - fingersafe option)*

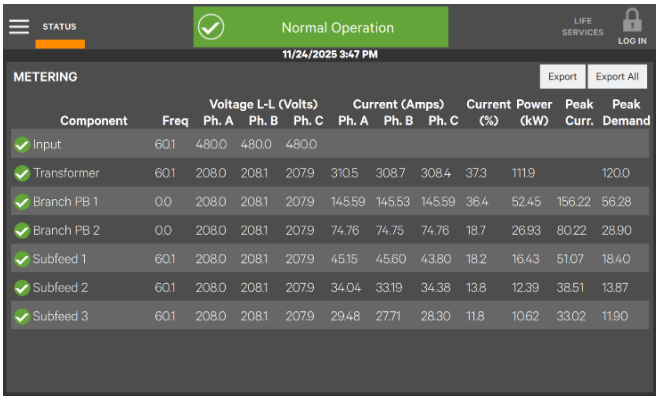
Figure 3. *Vertiv™ Liebert® RXV with optional viewing window door*

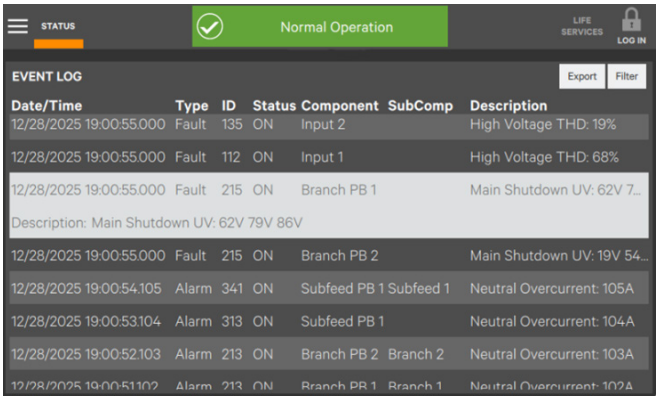
Vertiv™ Liebert® DPM distribution power monitoring

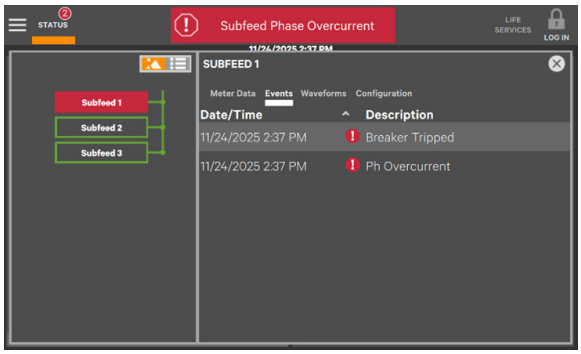
Vertiv™ Liebert® DPM is an intelligent, embedded power monitoring system that delivers accurate, real-time visibility across onsite and remote facilities. A large 9” color touchscreen with a user-friendly graphical interface presents a one-line diagram with individual breaker and load status, simplifying operation and accelerating training. DPM meters voltage, current, power, and energy with 0.5% accuracy to support capacity planning, billing-grade insights, and continuous efficiency improvement. It streamlines deployment through automated commissioning and import/export of configurations, and it integrates seamlessly with BMS/EPMS platforms to centralize monitoring and control.

Uptime is protected with automatic overload notifications and both remote and local EPO, while configurable visual and audible alarms surface abnormal conditions before they disrupt operations. Event-triggered waveform capture records and visualizes power disturbances as they occur, helping teams speed root-cause analysis, document power quality events, and optimize incident response.

Combined with continuous sampling and comprehensive monitoring, data center teams can leverage DPM insights to balance phases, manage white space utilization, independently calculate PUE, and measure progress over time.







Benefits

- User-friendly graphical interface
- Single-line diagram showing real-time system status
- Accurate power usage metering for billing or cost allocation
- Automatic charting display for logged power and environmental data
- Management of equipment loads on local and remote facilities
- Visual and audible warnings of near overload conditions
- Optional waveform capture for easy identification of power quality issues or outages
- Optional local and remote Emergency Power Off

9-Inch touchscreen display

Breaker accessory monitoring

Alarm annunciation

On-screen programming

Waveform capture

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