Vertiv™ Liebert® DPM

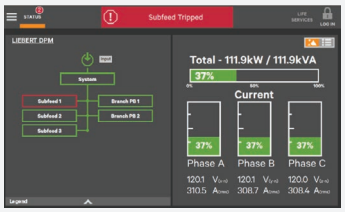
Intelligent Power Monitoring and System Control

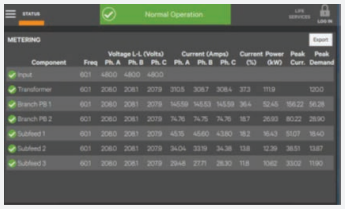
Overview

Liebert® DPM is an intelligent distribution power monitoring system, with a 9-inch color touchscreen display that provides one-line system overview, individual breaker status, and equipment load levels.

Benefits

- User-friendly graphical interface
- Single-line mimic diagram showing real-time system status. Easily identify root cause of power quality issues or outages
- Unit monitors power usage for billing or cost allocation
- Automatic charting display for logged power and environmental data
- Power monitoring system allows management of equipment loads on local and remote facilities
- Automatic warnings of near overload conditions
- Optional local and remote Emergency Power-Off





Monitoring power usage in your critical environment is essential to ensuring the safety and continuity of your IT infrastructure. Liebert DPM provides easy access to accurate, real-time data on power status and load levels is crucial, whether the IT footprint is deployed in an on-site data center or a remote facility.

The Liebert® DPM features intelligent power monitoring, with a color touchscreen display that provides one-line system and individual breaker status and equipment load levels. A navigation menu makes it easy to program the system, manage equipment loads, import or export site specific configurations between one-line system and individual breaker power distribution equipment. The monitoring system offers voltage, current, power, and energy metering accurate to 0.5% or less.

Furthermore, the monitoring system integrates with your BMS to provide management of local and remote power distribution, with automatic notification of potential overloads and local or remote emergency power-off.

Features

Event Analysis

Precise event tracking allows the detection of external phenomena that have the potential of impacting data center availability. Mains and Subfeed breaker sensing (position and trip) reporting into the product events and event log is available as an option.

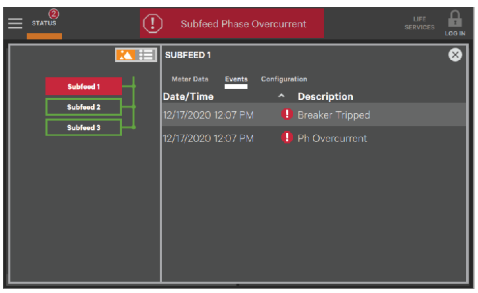
Data Logging

Liebert DPM can capture all relevant data from efficiency to uptime parameters using Continuous sampling for improved measurement accuracy and accumulation results.

Access to this information allows data center managers to control their physical space, optimize its usage and independently calculate PUE.

Intuitive Interface

The LED bar, Status bar, and One Line diagram provides straightforward, color coded alarms and faults, with Green for normal, Orange for warning, and Red for critical. Each component of the single line diagram can be selected to view specific metering data, events, and configured settings, which allows powerful insight at a glance.



Technical Specifications

Communication	
Protocols	Velocity RS-485, Modbus RS-485, Modbus (IP) TCP, BACnet/MSTP, BACnet IP, SNMP, SMS, HTTP/HTTPS, Email
Display	9.0" Color Touchscreen
Alarm Annunciation	Audible alarm, Alarm present / Silence Switch in next column under 9.0. Color Touchscreen
Emergency Power Off Options	EPO Button on Display

Monitoring Accuracy	
Voltage	+/- 0.2%
Amperage	+/- 0.5%
Power	+/- 0.5%
Energy	+/- 0.5%

Performance Characteristics	
Current Values provided in both present and max values	
Event log	Up to 1000 Events
Event timestamp precision (ms)	1
Time synchronization	Via NTP or RDU101
Memory Storage	Battery Backed, Non-Volatile
Input Contacts	Two Customer N.C. or N.O. Contacts
Output Contacts	Form C Summary Alarm Contact (N.O. & N.C.)

Monitored Parameters*	Branch Circuits	Mains and Subfeeds
kVA (Apparent Power)		•
kW (Real Power)	•	•
Energy (kWH)	•	•
Peak Demand	•	•
Power Factor (pf)	•	•
Percent Load	•	•
Current (per Phase)	•	•
Peak Current (per Phase)	•	•
Neutral Current	•	•
Ground Current		•
Current, Total Harmonic Distortion (THD)		•
Current 3rd, 5th, 7th, & 9th Order Harmonic		•
Current, Crest Factor (Peak/RMS)		•
Current, Harmonic K-Factor		•
Voltage, L-L, L-N		•
Voltage, Total Harmonic Distortion (THD)		•
Voltage 3rd, 5th, 7th, & 9th Order Harmonic		•
Frequency		•

*For complete list of monitored parameters, please contact your local Vertiv Sales rep or download the Intellislot Modbus and Bacnet Protocols Reference Guide SL-28170 at Vertiv.com.

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