

POWERDISTRIBUTION

PDM II SERIES

Datacenters have become the essential ingredient that allows businesses to grow and maintain a competitive advantage. Interestingly, as much as convergence has captivated the IT community, modern datacenters are as diverse as ever. Cyberex has embraced the challenge to develop solutions to meet the individual needs of the modern datacenter while maintaining our heritage of offering the highest reliability on the market today.

The Cyberex PDM II Series offers the most reliable and flexible power distribution product on the market today. Advanced monitoring features such as branch circuit monitoring (BCM) and sub-feed monitoring are factory installed or easily installed in the field. The physical design allows for easy installation and field upgradeable options.

MISSION CRITICAL POWER QUALITY

- Multiple panelboard and breaker configurations offer the highest level of customization for diverse loads.
- Branch circuit monitoring (optional) provides enhanced power data collection for each circuit.
- Local Display Graphic LCD with 320 x 240 resolution, capable of monitoring and storing data from up to 16 BCM devices – each with up to 4 – 42 pole panelboards.
- Remote monitoring minimizes the requirement for local management.
- Spacious cable management and landing area aid frequent wiring changes.
- Highly configurable with combinations of panelboards and subfeed breakers.

STANDARD PRODUCT SPECIFICATIONS

Electrical		
kVA	50-300 kVA	
Input	3 Phase, 3 Wire + Ground	
Input Voltage	480 VAC @ 60 Hz*	
Output	3 Phase, 4 Wire + Ground	
Output Voltage	208/120 VAC*	
Panelboards	Up to (6) 42 Circuit Output Panelboards	
Transformer Ratings	K13 (Std.) • K4/K20 (Opt.)	
Transformer	Copper, Delta-Wye,	
	Electrostatic Shielding	
Transformer Temperature Rise	150°C (Std.) • 115°C (Opt.)	
Transformer Inrush	Normal (11X) and Low (5X)	
Transformer Compensation Taps	(4) 2-1/2% FCBN, (2) 2-1/2% FCAN	
Transformer Insulation	220°C (Class R)	

Operating Conditions

Neutral Rating

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Temperature (Operating)	0 to 40°C • 37°C for 300 kVA
Temperature (Storage)	-40 to 60°C
Audible Noise	Maximum: 55 dBA
Maximum Operating Altitude	8.200 ft. (2.500 m)

200%

Dimensions

Height (All Cabinets, Sidecars)	77.4"
Depth (All Cabinets, Sidecars)	34"
Width (Main Transformer Section)	34" or 46" Depending on kVA
Sidecars Available in 3 widths	10" Side-facing
	24" Front and/or Rear facing
	34" Front and/or Rear facing
Up to 3 Sidecars Allowed	
Up to 4 Panelboards Per Sidecar	(2 Front-facing and/or 2 Rear-facing)
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Dimensions (continued)

ı	6 Panelboards Maximum
ı	I-line Panel Available
ı	Standard, Column-width or 400A Panelboards Available
ı	Subfeed Breakers Available: 100/150/225/400A

General

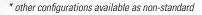
Natural Convection Cooled
Hinged Dead-Front Panel
320 x 240 LCD Display
Swivel Casters
Single Point Ground
Top and Bottom Entry
Welded Frame Construction on Main Transformer Cabinet

Options

Branch Circuit Monitoring	
Subfeed and Branch Circuit Breakers w/wo Monitoring	
Remote Emergency Power Off (EPO)	
Transient Voltage Surge Suppression	
Lightning Arrestor, Surge Arrestor	
Floor Stands	
Input Junction Box • Input Terminal Block	

Standards

NEMA (All Applicable Standards)
ETL Listed to UL 60950 and UL 891
FCC Compliant (Part 15)





PRODUCT SPECIFICATIONS Power Monitoring Input Voltage Line to Line (True RMS) S Output Voltage Line to Line (True RMS) S Output Voltage Line to Neutral (True RMS) S Output Current (True RMS) S Neutral Current (True RMS) S S Ground Current (True RMS) kVA S kW S S Frequency Percent Load Per Phase S KWH Consumption S Power Factor Per Phase S S (UC) Peak Demand **Total Harmonic Distortion** (voltage and current) S Load Crest Factor S S Load Power Factor Percent of Full Load S Control Emergency Power Off (EPO) Pushbutton S Remote EPO Pushbutton Compatible S 4 Form C Output Alarm Contacts S 4 Form C Input Contacts -User Configurable S **Power Alarms** High Transformer Temperature S Shutdown-Transformer Temperature S High/Low Input Voltage S (UC) **High Output Current** S (UC) Annunciation

Horn

Acknowledge Pushbutton

Communications

Modbus RTU (RS-485)

Modbus TCP (Ethernet)

S = Standard(UC) = User Configurable

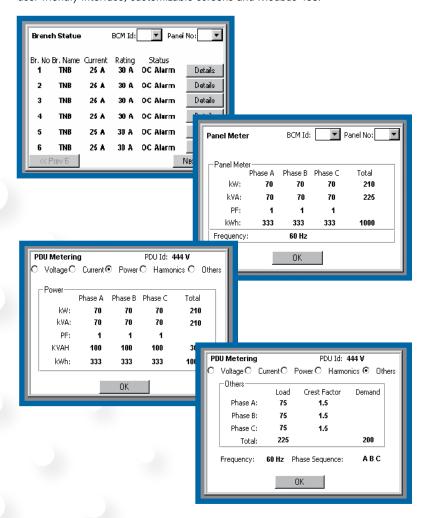
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POWER & SYSTEM MONITORING

Designed for mission critical power quality applications, power monitoring offers user-friendly interface, customizable screens and Modbus 485.





Cyberex cables compliment any PDM configuration and are designed to mate with virtually any computer or peripheral device.

Features include:

- UL Listed and NEC Compliant
- NEMA, IEC, Russell & Stoll and Field Wire configurations
- Identification Labeling and optional colors



Thomas & Betts Power Solutions

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