

# POWERDISTRIBUTION

## EDM SERIES



Today's data centers require the most technologically advanced support systems to ensure mission critical power quality. The Cyberex EDM Series provides the flexibility to expand your data center distribution. Fed from your existing PDM, or transformer, the EDM readily provides up to (2) 42 circuit output panelboards or (8) subfeed breakers.

### DESIGNED FOR PERFORMANCE AND FLEXIBILITY

- **Compact footprint** maximizes valuable real estate
- **Spacious cable management** and landing area aid frequent wiring changes
- **Comprehensive system monitoring** improves power management
- **Branch circuit monitoring** (optional) provides enhanced power monitoring
- **Remote monitoring** via Modbus 485 minimizes the requirement for local management
- **Easy maintenance access** and low Mean Time To Repair (MTTR) to minimize critical load interruption
- **Wall or floor mounted** provides increased flexibility for installation
- **Top or bottom power feed entry** simplifies installation for existing facility architecture

### PRODUCT SPECIFICATIONS

#### Electrical

Input / Output	3 Phase, 4 Wire + Ground
Input / Output Voltage	208/120V @ 60Hz
Panelboards	Up to (2) 42 Circuit Output Panelboards
Subfeed Breakers	Up to 8
Neutral Rating	200%

#### Operating Conditions

Temperature (Operating)	0 to 40°C
Temperature (Storage)	-40 to 60°C
Maximum Operating Altitude	8,200 ft (2,500 m)

#### Dimensions/Weight

Height	69 in (175 cm)
Depth	9.5 in (24 cm)
Width (EDM1/2)	34 in (86 cm)
Weight (EDM1/2)	280-350 lbs (127-159 kg)

#### General

Natural Convection Cooled
Hinged Dead-front Panel
80 Character Display
Single Point Ground

#### Communications

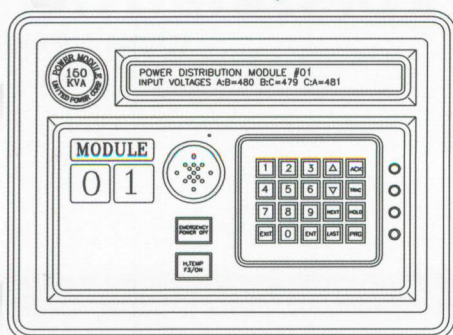
Modbus 485
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#### Options

Branch Circuit Monitoring
Subfeed and Branch Circuit Breakers w/wo Monitoring
Remote EPO
Transient Voltage Surge Suppression
Input Junction Boxes

#### Standards

NEMA (All applicable standards)
UL 478 Listed
FCC Compliant (Part 15)
ANSI C62.41



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### POWER & SYSTEM MONITORING

Designed for mission critical power quality applications, Focus Level 3 power monitoring offers user-friendly interface, customizable screens and Modbus 485.

### PRODUCT SPECIFICATIONS

#### Power Monitoring

Voltage Line to Line (True RMS)	S
Voltage Line to Neutral (True RMS)	S
Current (True RMS)	S
Neutral Current (True RMS)	S
Ground Current (True RMS)	S
kVA	S
kW	S
Frequency	S (UP)
Percent Load Per Phase	S
KWH Consumption	S
Power Factor Per Phase	S
Peak Demand	S (UP)
Total Harmonic Distortion	O (UP)
Voltage Sag Monitor	O (UP)
Voltage Surge Monitor	O (UP)
Single Phase Transient Monitor	O (UP)
Three Phase Transient Monitor	O (UP)

#### Control

Emergency Power Off (EPO) Pushbutton	S
Remote EPO Pushbutton Compatible	S
HVAC Alarm/Shutdown	S
Building Alarm (Qty 4) Shutdown	O
Phase Rotation/Reversal Shutdown	O
Ground Fault Interrupt	O
Two (2) Aux. Control Outputs	S (UP)

#### Power Alarms

High Voltage	S (UP)
Low Voltage	S (UP)
Phase Loss	S
High Current	S
Ground Fault	S
Frequency	S
Phase Rotation	S
Summary	S

#### Annunciation

Horn	S
Acknowledge Pushbutton	S
Illuminated EPO Pushbutton	S (UP)
80-Character LCD Display	S (UP)

S = Standard O = Optional  
(UP) = User Programmable

### MODEL NUMBER SCHEME

#### A – Panelboard Quantity\*

1	1 Panelboard
2	2 Panelboards

#### B – Monitoring

LO	No Monitoring
F3	Focus Level 3 Monitoring

#### C – Amperage

100	100A (EDM 1 Only)
150	150A (EDM 1 Only)
200	200A (EDM 2 Only)
225	225A (EDM 1 Only)
300	300A (EDM 2 Only)
400	400A (EDM 2 Only)

#### D – Input Voltage

2	208/120V
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#### E – Frequency

5	50Hz
6	60Hz

#### Model Example:

EDM  $\frac{2}{A} - \frac{F3}{B} - \frac{300}{C} - \frac{0}{D} \frac{2}{E} \frac{6}{E}$

\*Up to (4) 225A subfeed breakers can replace a panelboard position



Cyberex offers cables that compliment any EDM 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
- Quick Delivery



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