Cyberex® Expansion Distribution Module (EDM)
Power distribution system

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

Designed for performance and flexibility

Product features

– 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 mounted provides increased flexibility for installation. Floor mountable available if additional supports are installed
– Top or bottom power feed entry simplifies installation for existing facility architecture

Power and productivity
for a better world™

ABB

EDM product specifications

Electrical

Input/output	3-phase, 4-wire + ground
Input/output voltage	208/120V @ 60Hz
Panelboards	Up to (2) 42 circuit output panelboards
Sub-feed 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	78 in (198.12 cm)
Depth	13 in (33.02 cm)
Width	34 in (86 cm)
Weight	280–350 lbs (127–159 kg)

General

Natural convection cooled

Hinged dead-front panel

Single point ground

Communications

Modbus 485

Modbus TCP

Options

Branch circuit monitoring

Sub-feed and branch circuit breakers w/wo monitoring

Remote EPO

Surge protective device (SPD)

Input junction boxes

Standards

NEMA

cETLus to UL 60950, and UL 891

FCC compliant (part 15)

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 (UC)
Percent load per phase	S
kWh consumption	S
Power factor per phase	S
Peak demand	S (UC)
Total harmonic distortion	O (UC)
Voltage sag monitor	O (UC)
Voltage surge monitor	O (UC)
Single phase transient monitor	O (UC)
Three phase transient monitor	O (UC)

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 (UC)

Power alarms

High voltage	S (UC)
Low voltage	S (UC)
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 (UC)
80-character LCD display	S (UC)

S = Standard   O = Optional   (UC) = User configurable

For more information please contact:

**Thomas & Betts Power Solutions, LLC,
A Member of the ABB Group**

Power Protection
5900 Eastport Boulevard
Richmond, VA 23231-4453 USA
Tel: +1 800 CYBEREX (292 3739)
Fax: +1 804 236 4047

www.tnbpowersolutions.com/cyberex
www.abb.com/ups

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