



UNITED POWER

Series EDM: Expansion Distribution Module

Features

General

- Flexible Distribution
- Microprocessor Monitor and Control
- Remote Monitor Compatible
- Full System Tested
- Quality Design and Construction
- One Year Warranty
- UL 478 Listed

Electrical

- 100 Amp-450 Amp Systems
- 42-84 Pole Positions or
- Up to Eight (8) Subfeed Breakers
- 60 Hz, 50Hz and 415 Hz Systems
- Oversized Neutrals for Non-Linear Loads
- Transient Suppression Available

Physical

- Small Footprint (2.25 Square Feet)
- Front Access Only
- Wall and Floor Mounted
- 84 Circuit Cable Landing Tray
- Natural Convection Cooled
- 1/4 Turn Fasteners Throughout
- High-tech Aesthetics
- Silent Operation

Today's computer and peripheral devices require far less amperage than EDP equipment from only a few years ago. Due to this fact, many existing "hardwired" and even flexible computer power distribution transformers are very lightly loaded, yet their associated panelboards are completely filled with branch breakers, thus restricting your ability to grow.

The United Power Series EDM allows your data center to expand without the need for costly electrical re-work, and many times with no downtime! Simply

feed the EDM expansion distribution module from your existing transformer or your existing panelboard and expand your distribution capacity with up to 84 more pole positions.

United Power EDM systems are available in many distribution configurations ranging from 100 amps to 450 amps. Optional equipment includes shunt trip main input circuit breakers, transient suppression devices and a choice of three different monitoring packages to best fit your needs.



Quality is a promise and a priority at United Power. United Power offers custom computer power cables to mate with virtually any computer or peripheral device. These cable assemblies

are UL 478 Listed and are not required to be secured under the floor per the NEC. All cables are watertight and feature a copper grounding strap to guarantee single point grounding practices.

Series EDM: Monitoring Systems

United Power offers three different monitoring systems on its Series EDM expansion distribution modules. Basic Level I is the fundamental monitoring package with Focus Levels II and III being micro-processor driven and compatible with all Focus central monitoring systems. EDM systems are also available without monitoring for those units without shunt trip main input circuit breaker protection.

Monitoring Features				
Feature	Basic Level I	Focus Level II	Focus Level III	
Annunciation				
Horn	S	S	S	
Acknowledge Pushbutton	S	S	S	
Illuminated EPO Pushbutton	S	S	S	
80-Character LCD Display	N/A	S(UP)	S(UP)	
Power Alarms				
High Input Voltage Alarm	N/A	S(UP)	S(UP)	
Low Input Voltage Alarm	N/A	S(UP)	S(UP)	
High Output Voltage Alarm	N/A	S(UP)	S(UP)	
Low Output Voltage Alarm	N/A	S(UP)	S(UP)	
Phase Loss Alarm	N/A	O	S	
High Current Alarm	N/A	O	S	
Ground Fault Alarm	N/A	O	S	
Frequency Alarm	N/A	O	S	
Phase Rotation Alarm	N/A	O	S	
Power Monitoring				
Input Voltage Line to Line (RMS)	N/A	S	S	
Output Voltage Line to Line (RMS)	N/A	S	S	
Output Voltage Line to Neutral (RMS)	N/A	S	S	
Output Current	N/A	O	S	
Neutral Current	N/A	O	S	
Ground Current	N/A	O	S	
kVA	N/A	O	S	
kW	N/A	O	S	
Frequency	N/A	O(UP)	S(UP)	
Percent Load Per Phase	N/A	O	S	
Power Factor Per Phase	N/A	N/A	S	
KWH Consumption	N/A	N/A	O	
Peak Demand	N/A	N/A	O(UP)	
Total Harmonic Distortion	N/A	N/A	O(UP)	
Voltage Sag Monitor	N/A	N/A	O(UP)	
Voltage Surge Monitor	N/A	N/A	O(UP)	
Three Phase Transient Monitor	N/A	N/A	O(UP)	
Control				
Emergency Power Off Pushbutton	S	S	S	
Remote EPO Pushbutton Compatible	S	S	S	
HVAC Alarm/Shutdown	S	S	S	
One (1) Aux. Control Output	N/A	O(UP)	S(UP)	
Output Summary Alarm	N/A	O	S	
Building Alarm (qty 4) Shutdown	N/A	O	O	
Phase Rotation/Reversal Shutdown	N/A	O	O	
Ground Fault Interrupt	N/A	O	O	
Output Communication	N/A	O(UP)	O(UP)	
Environmental				
Time of Day	N/A	O(UP)	S(UP)	
Date	N/A	O(UP)	S(UP)	
Building Alarm Contact Closure/Opening	N/A	S(UP)	S(UP)	
Temperature	N/A	O(UP)	O(UP)	
Humidity	N/A	O(UP)	O(UP)	

S = Standard O = Optional N/A = Not Available (UP) = User Programmable



EDM2-F3 is our most popular EDM system, featuring 84 distribution pole positions and Focus Level III micro-processor monitoring.

EDM systems are available in many different configurations. This EDM system provides the user 42 poles of 60 Hz distribution and four (4) 3 pole distribution breakers for classic mainframe computer applications.

Physical Specifications: Series EDM Expansion Distribution Module

Cabinet	Amps	Pole Positions	Width		Depth		Height		Unit Weight	
			In	Cm	In	Cm	In	Cm	Lb	Kg
EDM1	100	42	34	86	9.5	24	69	175	280	127
	150	42	34	86	9.5	24	69	175	280	127
	225	42	34	86	9.5	24	69	175	280	127
EDM2	200	84	34	86	9.5	24	69	175	340	154
	300	84	34	86	9.5	24	69	175	340	154
	450	84	34	86	9.5	24	69	175	350	159



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DELTA

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