

The PowerSafe[®] DDm Battery Breaker System is an ideal solution for telecommunications offices that require a simple and convenient means to isolate a string of batteries. These systems have been designed for use with PowerSafe DDm battery systems, allowing for simple “bolt-on” installation to the existing PowerSafe DDm battery racking structures, without the need for the cumbersome cabling or custom mounting hardware needed for other disconnect systems.

These battery disconnects allow routine maintenance to be safely performed on a PowerSafe DDm battery system without having to physically disconnect the main cabling of the system, thus reducing overall maintenance time.

Additionally, the PowerSafe DDm Battery Breaker Systems can also be configured to comply with local fire codes that require a remote “power off” for the battery system in the event of an emergency situation.

PowerSafe DDm Battery Breaker Systems are configurable with a wide range of options – from current and voltage ratings to various mounting configurations – ensuring a proper fit for a wide range of PowerSafe DDm battery applications.

The PowerSafe DDm Battery Breaker System provides ease of installation and simplified operation not found with other breaker systems.

Features & Benefits

- Available protection from 120A through 2400A D.C.
- Configurable for 24V or 48V battery systems
- Disconnect may be provided with or without overcurrent protection
- Can mount to top of battery rack – eliminating the need for a separate wall- or rack-mounted solution
- Easy locating channels for perfect alignment
- Remote operation available
- Load Side = Tin-plated copper connection can accommodate up to (4) two-hole lug cables
- Line Side = Custom tin-plated copper connector
- Internal Form C auxiliary contact pre-wired to terminal block



Part Numbers & Configuration

The PowerSafe® DDm Battery Breaker Systems can be configured for a wide array of different applications, ensuring a perfect fit for nearly any specific application.

B 1 2 4 0 2 1 1 m 0 5 0 0 9 4 6

Breaker System

Disconnect Frame Size

1: 200 Amp Frame (for less than 200A overcurrent protection)
2: 400 Amp Frame (for OC protection greater than 200A, up to 400A)
3: 600 Amp Frame (for OC protection greater than 400A, up to 600A)
4: 1200 Amp Frame (for OC protection greater than 600A, up to 1200A)
5: 1800 Amp Frame (for OC protection greater than 1200A, up to 1800A)
6: 2000 Amp Frame (for OC protection greater than 1800A)

Battery Voltage

24: 24 Volt Battery
48: 48 Volt Battery

Overload (Overcurrent) Trip Rating

00: No Overcurrent Trip	10: 270A	20: 750A
01: 120A	11: 300A	21: 900A
02: 140A	12: 330A	22: 1050A
03: 160A	13: 350A	23: 1200A
04: 180A	14: 375A	24: 1350A
05: 200A	15: 400A	25: 1500A
06: 210A	16: 450A	26: 1800A
07: 220A	17: 525A	27: 2400A
08: 240A	18: 600A	
09: 250A	19: 675A	

*Note: Overcurrent rating must match the disconnect frame size specified.

Disconnect Operation

1: Manual Operation
2: Remote Open / Manual Close Operation – ready (no pushbutton kit)
3: Remote Open / Manual Close Operation – w/ pushbutton kit
4: Keyed Remote Open / Manual Close
5: Remote Open / Remote Close (only available for 1200A & 1800A disconnects)

System Height

2 = 2-high	8 = 8-high
3 = 3-high	C = 12-high
4 = 4-high	Etc.
6 = 6-high	

*Note: 12-high systems w/ breakers may result in height clearance issues. Be sure to check existing ceiling limits or contact an EnerSys® representative for additional information.

System Width

2 = 2-wide	8 = 8-wide
3 = 3-wide	C = 12-wide
4 = 4-wide	Etc.
6 = 6-wide	

*Note: Top-of-rack breakers may not fit 2-wide system. Contact an EnerSys® representative for additional information if ordering a breaker for a 2-wide system.

DDm System

m05009 = DDm50-09
m08533 = DDm85-33
m12533 = DDm125-33
Etc.

*Note: Battery Rack Mounted Breakers are only available for PowerSafe® DDm products. Wall-and rack-mounted breakers can be used for other 24V or 48V battery systems.

Mounting Options

1: PowerSafe® DDm Battery Rack Mounted – Vertical Breaker Orientation*
2: PowerSafe DDm Battery Rack Mounted – Horizontal Breaker Orientation*
3: Wall-Mounted NEMA 1 Enclosure
4: Wall Mounted w/ Unistrut
5: 23" Relay Rack Mounting (note: not available for 2400A Disconnect)

*Note: Rack-mounted breakers require top termination.

Example: Part Number **B1240211m0500946** = 600A Disconnect Frame Size, 24V, 140A Overcurrent Trip Protection, Manual Open/Manual Close, Top-Rack Mounted (Vertical) for a DDm50-09 4x6 Battery System.



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