BATTERY CABINET SYSTEMS

FOR TOP TERMINAL & FRONT ACCESS UPS BATTERIES

BATTERY CABINET SYSTEMS

Battery cabinet systems are available direct from C&D Technologies, a leading manufacturer of Mid-Sized and Enterprise Level Critical System battery protection. Systems arrive installed with battery breaker, battery cabling and batteries. Every completed unit is tested for system integrity and ships as a low voltage system to minimize damage during transport. Cabinets are ready to connect to UPS upon installation.

Powder-coated steel cabinets are UL1778 listed and designed for IBC seismic compliance. Circuit breakers are provided for system protection. Cabling is UL recognized flexible type to reduce stress on battery connections.

Mechanical robustness, approved electrical disconnects and high quality C&D batteries all combine to provide an easily installed complete battery system with the finished appearance of a UPS cabinet.

APPLICATIONS

- Data Centers
- Network Operations Centers
- Industrial Process Control Facilities
- Internet Hosting Sites
- Semiconductor Manufacturing
- Banks & Financial Markets
- Power Generation Plants
- Hospitals & Testing Laboratories
- Emergency 911 Response Centers

FEATURES & BENEFITS

- Welded heavy gauge steel construction
- Acid resistant powder coated finish
- Front and back accessible to standard material handling equipment
- Frame designed for easy on site loading of batteries
- Can be installed in single or multiple lineup, bolted together back to back and/or side to side
- Dedicated area for electrical output connections and cable routing
- Knockouts sized and located to accommodate up to 4” conduit
- Optional monitor harness installation
- DC rated breaker with UVR or shunt trip and Aux. contacts
- Removable breaker mount for other optional output connections on select models
- Batteries are held in place by individual battery rails for proper battery spacing and air flow
- Designed for IBC 2006 seismic ratings
- Battery monitor friendly with the tab washers installed on each battery
- Open rack option available for all cabinets
- Online quoting
CABINETS - DYNASTY TOP TERMINAL BATTERIES

**BATTERY CABINET SYSTEMS**

- Three standard models - IP2C, IP3 & IP5
- UL listed up to 600 AMPS
- Specifically designed to fit Dynasty High Rate Max top terminal batteries
- Quality valve-regulated, Absorbent Glass Mat batteries for UPS applications. Patented long-life alloy, proprietary plate pasting technology, and leak-free case-to-cover bonds provide the reliable operation and long life for which Dynasty batteries are known. See brochure 12-1029 for more information.
- C&D Liberty 1000 battery configurations available upon request

**CABINETS SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Cabinet Model</th>
<th>Width in</th>
<th>Depth in</th>
<th>Height in</th>
<th>Weight Empty lbs.</th>
<th>Maximum Weight Cabinet w/Batteries lbs.</th>
<th>Maximum kWb per Cabinet 15 Min kWb @ 1.67EPV at 77°F(25°C)</th>
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</thead>
<tbody>
<tr>
<td>IP2C</td>
<td>26.22</td>
<td>32.48</td>
<td>82.00</td>
<td>400</td>
<td>3010</td>
<td>49.5 UPS12-210MR</td>
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<tr>
<td>IP3</td>
<td>32.97</td>
<td>32.48</td>
<td>82.12</td>
<td>560</td>
<td>3910</td>
<td>49.5 UPS12-210MR</td>
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<tr>
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<td>32.48</td>
<td>82.12</td>
<td>640</td>
<td>4790</td>
<td>128.9 UPS12-540MR</td>
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</table>

Notes:
- The above listed DC power ratings are for individual cabinets based on the largest High Rate Max battery that will fit.
- Other power ratings can be configured within each cabinet model by changing battery model.
- The power rating for any given DC voltage can be increased by paralleling cabinets.

| Quantity of UPS High Rate Max batteries that fit into each cabinet model |
|-----------------------------|-------------------------|-------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| IP2C                        | 60                      | 40                      | 24              |
| IP3                         | 80                      | 60                      | 32              |
| IP5                         | 80                      | 60                      | 40              |

Top Terminal Battery Weights

<table>
<thead>
<tr>
<th></th>
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<tr>
<td>lbs</td>
<td>27.3</td>
<td>40.0</td>
<td>58.4</td>
<td>67.4</td>
<td>75.8</td>
<td>100.0</td>
<td>100.0</td>
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</table>
CABINETS - DYNASTY TRUE FRONT ACCESS BATTERIES

BATTERY CABINET SYSTEMS

- Specifically designed to fit Dynasty Front Terminal batteries
- Doors and panels removable for easy installation and maintenance
- Locking doors with pocket for manuals and maintenance records
- Designed to IBC 2006 seismic ratings
- Systems are delivered pre-assembled, wired and tested for quicker, easier installation

CABINET SPECIFICATIONS

<table>
<thead>
<tr>
<th>Cabinet Model</th>
<th>Battery Model</th>
<th>Width</th>
<th>Depth</th>
<th>Height</th>
<th>Weight Empty</th>
<th>Maximum Weight Cabinet w/Batteries</th>
<th>Maximum kWb per cabinet @ 15 min kWb @ 77°F</th>
<th>Maximum # Batteries/Cabinet</th>
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<tbody>
<tr>
<td>IP4F12</td>
<td>615MRF</td>
<td>49.72</td>
<td>26.80</td>
<td>68.35</td>
<td>760</td>
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<td>700MRF</td>
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<td>68.35</td>
<td>760</td>
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<tr>
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<td>615MRF</td>
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<td>26.80</td>
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<td>5590</td>
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<td>178.1</td>
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</table>

Notes:
1. The power rating for any given DC voltage can be increased by paralleling cabinets

DYNASTY TRUE FRONT ACCESS BATTERIES

- UPS12-700MRF Weight: 131 lbs
- UPS12-615MRF Weight: 115 lbs
- UPS12-745MRF Weight: 152 lbs
### Model Number System
**7P5480BKTBRHARS**

Part Number Includes: (1) IP5 stand-alone cabinet in black, (1) 500VDC/250A breaker with aux. contacts and 48 VDC shunt trip, and cabling and installation of (40) UPS12-540MR batteries with tab washers.

#### How to Configure
[http://cdtechno.intrapack.com](http://cdtechno.intrapack.com)

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#### System Voltage
- 288VDC
- 360VDC
- 384VDC
- 480VDC

#### Amp of Breaker
- 100Amp
- 150Amp
- 250Amp
- 400Amp
- 500Amp
- 600Amp
- 700Amp
- 800Amp

#### Color
- Black

#### Breaker Option
- Aux Contacts
- Aux Contacts with 24VDC Shunt Trip
- Aux Contacts with 48VDC Shunt Trip
- Aux Contacts with 24VDC UVR
- Aux Contacts with 48VDC UVR

#### Option
- Tab Washers (standard on all cabinets)

#### Configuration
- Standalone Cabinet
- 2 Adjacent Remote Cabinets
- 3 Adjacent Remote Cabinets
- 4 Adjacent Remote Cabinets
- 5 Adjacent Remote Cabinets
- 6 Adjacent Remote Cabinets
- 7 Adjacent Remote Cabinets
- 8 Adjacent Remote Cabinets
- 9 Adjacent Remote Cabinets
- 10 Adjacent Remote Cabinets
- 11 Adjacent Remote Cabinets
- 12 Adjacent Remote Cabinets

#### Battery
- UPS12-150MR
- UPS12-210MR
- UPS12-300MR
- UPS12-350MR
- UPS12-400MR
- UPS12-490MR
- UPS12-540MR
- UPS12-615MRF
- UPS12-700MRF
- UPS12-745MRF

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Note: System kWb, runtime and FVPC (final voltage per cell) are required for purchase order

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