

NTEGRITY





AC Output
Equipment
Switch



HIGH RATE MAX

Model	HRM-100
Capacity	100 Ah
Voltage	12V
Weight	25 kg
Dimensions	300 x 150 x 150 mm

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BATTERY CABINET SYSTEMS

Complete, pre-packaged battery cabinet systems are available direct from C&D Technologies, leading manufacturer of Mid-Sized and Enterprise Level Critical System battery protection. Systems include battery breaker or fuse, battery cabling and batteries – all installed and ready to connect to UPS upon installation. Options for battery monitoring will also be available.

Powder-coated steel cabinets are ETL, CSA and UL1778 listed with seismic zone 4 capability available as an option. Fast acting fuses or circuit breakers are provided for system protection. Cabling is UL listed flexible type to reduce stress on battery connections. Batteries are tested to assure system integrity.

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.



▲ High Rate Max Series

Quality valve-regulated, Absorbent Glass Mat batteries for UPS applications have more power than the High Rate series plus a longer warranty. 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 41-9027 for more information.



▲ Liberty 1000 Series

Highly reliable valve-regulated, Absorbent Glass Mat batteries provide a rugged solution for UPS and other applications. Heavy-duty plates, PVC container and patented post seal design provide a highly reliable battery solution that exceeds most industry specifications. See brochure 12-373 for more information.

BATTERY DISCONNECT OPTIONS



▲ Fuses

- Fast-acting low I²T to prevent catastrophic failure
- Available manufacturers: Ferraz and Bussman



▲ Breakers

- 600 VDC breakers used on all 480 VDC nominal voltage cabinet systems.
- Available manufacturers: ABB, GE, Cutler-Hammer, Square D

Available Breaker Options:

- Auxiliary Contacts
- Shunt Trip
- UVR (Under Voltage Relay)
- Bell

Multiple options can be combined

CABINET SYSTEM FEATURES

- Complete Battery Systems including battery disconnect, battery connections and optional battery monitoring (available by mid-2007).
- Factory assembled cabinets are UL1778 listed.
- Rugged powder-coated, steel cabinets.
- Seismic Zone 4 cabinets are available.
- Many high quality battery disconnect options.
- Batteries are anchored to prevent damage in transit.
- Integrated convection cooling to extend battery life.

BENEFITS

- Systems are delivered pre-assembled, wired and tested for quicker, easier installation.
- Systems provide end users with higher reliability by using C&D batteries that are tested at factory and prior to cabinet installation.
- Hinged front doors and smart cable routing provides safe and easy access to battery terminals for maintenance.
- Systems are provided by a single source - C&D - known for reliable battery products and superior customer support.

APPLICATIONS

- UPS Systems located in computer rooms and office environments.
- Process Control applications requiring batteries to be protected behind closed doors (not for outdoor use).

SPECIFICATIONS

Battery Model:	Weight per Battery lbs. (kg)	Quantity of Batteries That Fit in this Cabinet Cabinet Model			
		EC20	EC30	EC40	EC50
UPS12-100MR	21 (10)	60	60		
UPS12-150MR	27.3 (12.4)	48	48	48	
UPS12-210MR	40 (18)	42	48	48	60
UPS12-300MR	58.4 (26.5)	32	32	32	48
UPS12-350MR	67.4 (30.5)		32	32	48
UPS12-400MR	75.8 (34.4)		32	32	40
UPS12-490MR	100 (45)		32	32	40
UPS12-540MR	100 (45)				
UPS6-620MR	72 (33)		32	32	40
LS12-25	23 (10)	80	80	80	
LS12-55	56 (25)	40	40	48	48
LS12-80	79 (36)	32	32	40	40
LS12-100	95 (43)				
LS6-200	95 (43)				
LS4-300	95 (43)		32	32	32
LS2-600	95 (43)				

Additional ratings available on the C & D Technologies Standby Power Division Battery Selection Application Program at www.cdstandbypower.com.net.

Cabinet Model	EC20	EC30	EC40	EC50
Width	29.60	36.13	36.13	40.13
in. (mm)	(751.8)	(917.7)	(917.7)	(1,019.3)
Depth	34.50	29.63	29.63	29.63
in. (mm)	(876.3)	(752.6)	(752.6)	(752.6)
Height	59.00	70.75	78.75	78.75
in. (mm)	(1,498.6)	(1,797.1)	(2,000.3)	(2,000.3)
Weight Empty lbs. (kg)	350 (158.8)	500 (226.8)	550 (249.5)	585 (265.4)
Maximum KW @ 360VDC (UPS12-xxxMR)*	54.0 (300)	96.7 (540)	96.7 (540)	96.7 (540)
Maximum KW @ 480VDC (UPS12-xxxMR)*	49.4 (210)	49.4 (210)	49.4 (210)	128.9 (540)

Notes:

- The above listed DC power ratings are for individual cabinets based on the largest High Rate Max battery that will fit.
Ratings are for 15 minute reserve times at 77°F (25°C)
- Other DC voltages and Power Ratings can be configured within each Cabinet Model
- The Power Rating for any given DC voltage can be increased by paralleling Cabinets
- Refer to C&D sizing Configurator for assistance in solving your specific application

C&D TECHNOLOGIES, INC.

POWER SYSTEMS DIVISION

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