

TRUE FRONT ACCESS BATTERY RACKS

FOR UPS, TEL AND VRS
FRONT ACCESS BATTERIES

C&D Technologies True Front Access battery racks are designed to be durable, and easy to install. Engineered for use with most C&D True Front Access battery models, these racks fit a wide variety of applications.



APPLICATIONS

- **Telecommunications**
 - Private Branch Exchange (PBX)
 - Fiber Optic & Microwave sites
 - Outside Plant Facilities
- **UPS**
 - Data Centers
 - Industrial Process Control Facilities
 - Emergency 911 Response Centers
 - Air Traffic Control Centers
- **Switchgear & Control**
 - Portable Battery Trailers for Substation Battery Testing
 - Monitoring & Control Systems
- **Renewable Energy**
 - Remote/Hybrid Sites
 - Communications
 - Off-Grid/Solar

FEATURES & BENEFITS

FLEXIBLE

- 1 to 5 tier models available, 4 batteries per tier.
- Configurable in systems from 48-480V.
- Racks can be arranged in end-to-end configurations.

DURABLE

- High-quality construction guarantees longer life.
- Heavy duty acid-resistant coating is scratch-resistant and chip proof.
- One piece frame construction.

EASY TO INSTALL

- Rack ships unassembled for ease of handling.
- Racks are free standing, however floor-anchoring holes are provided (anchor bolts not supplied).
- One piece side panels reduce parts and bolted connections.
- Optional accessory kits include all items necessary for string connections (i.e. cables, terminal plates, etc.)

ACCESSIBLE

- Open rack allows easy maintenance and service.
- Label information visible without removal of front restraints.

SEISMICALLY CERTIFIED

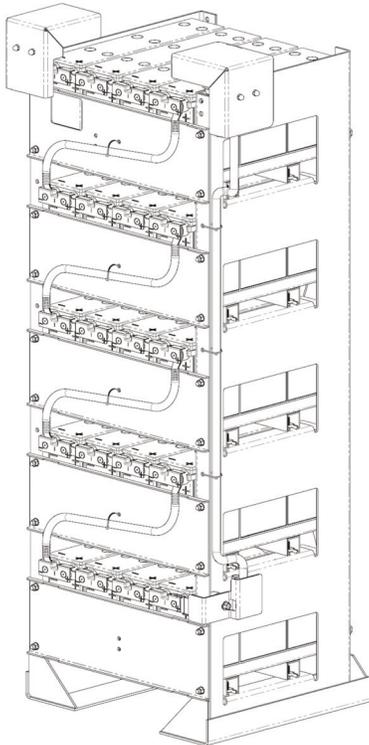
- All RD05120 and RD05122 racks 1 to 5 tiers meet IBC2009 maximum requirements for all of North America.
- All RD05162 racks 1 to 5 tiers meet IBC2009 requirements for most of North America.
- Exceeds 1997 UBC Zone 4 requirements for essential facilities, all floor installations for soil profile type D.

Rack Dimensions

Model Number	Number of Tiers	Weight* Lbs (kg)	Width in (mm)	Depth in (mm)	Height in (mm)	Maximum Number of Batteries**	Compatible Batteries		
							UPS	TEL	VRS
RD05122-1TEP2	1	67 (30)	23.5 (597)	21.0 (533)	14.4 (366)	4	355MRF 410MRXF	115FN 115FNG	
RD05122-2TEP2	2	110 (50)			26.2 (665)	8			
RD05122-3TEP2	3	150 (68)			37.9 (964)	12			
RD05122-4TEP2	4	190 (86)			49.7 (1263)	16			
RD05122-5TEP2	5	230 (104)			61.5 (1562)	20			
RD05120-1TEP2	1	100 (45)	25.9 (658)	22.8 (578)	17.6 (448)	4	615MRF 700MRF	160F 170F/FG 180F 210F 210Fa	155F 175F
RD05120-2TEP2	2	150 (68)			32.6 (829)	8			
RD05120-3TEP2	3	200 (91)			47.6 (1210)	12			
RD05120-4TEP2	4	250 (114)			65.6 (1591)	16			
RD05120-5TEP2	5	300 (136)			77.6 (1971)	20			
RD05162-1TEP	1	105 (48)	30.7 (780)	22.8 (578)	17.6 (448)	4	1000MRXF		
RD05162-2TEP	2	160 (73)			32.6 (829)	8			
RD05162-3TEP	3	210 (95)			47.6 (1210)	12			
RD05162-4TEP	4	265 (120)			65.6 (1591)	16			
RD05162-5TEP	5	320 (145)			77.6 (1971)	20			

*Rack Weight Only.

**Racks with partially filled tiers require one spacer per missing battery to maintain seismic rating. To include spacers with the rack, add an "S_" suffix to the end of the rack model number when ordering. S1 (1 Spacer), S2 (2 Spacers), S3 (3 Spacers)



Example of 240V System w/optional accessory kit

Common Configurations

System Voltage	Number of Batteries	Maximum Current (Amps)	Accessory Kit Part Number by rack type ^{1,2}			Rack Configuration
			RD05122	RD05120	RD05162	
48	4	200	Accessory kit not required. 48V (or lower) configurations can be achieved using bus bars supplied with batteries.			1 String Per Tier
		400				
		600				
		800				
120	10	200	RE05313-200	RE05308-200	N/A	1 Rack 3 Tier w/ Spacers
		400	RE05313-400	RE05308-400	N/A	
		600	N/A	RE05308-600	N/A	
		800	N/A	RE05308-800	N/A	
240	20	200	RE05314-200	RE05309-200	N/A	1 Rack 5 Tier
		400	RE05314-400	RE05309-400	N/A	
		600	N/A	RE05309-600	N/A	
		800	N/A	RE05309-800	N/A	
360	30	200	RE05315-200	RE05310-200	N/A	2 Racks 4 Tier w/ Spacers
		400	RE05315-400	RE05310-400	N/A	
		600	N/A	RE05310-600	N/A	
		800	N/A	RE05310-800	N/A	
384	32	200	RE05316-200	RE05311-200	RE05372-200	2 Racks 4 Tier
		400	RE05316-400	RE05311-400	RE05372-400	
		600	N/A	RE05311-600	RE05372-600	
		800	N/A	RE05311-800	RE05372-800	
480	40	200	RE05317-200	RE05312-200	RE05373-200	2 Racks 5 Tier
		400	RE05317-400	RE05312-400	RE05373-400	
		600	N/A	RE05312-600	RE05373-600	
		800	N/A	RE05312-800	RE05373-800	

¹ TEL12-170F/FG and TEL12-210F models require special accessory kits. Contact Product Management for details.

² Accessory kits include all items necessary for string connections (cables, terminal plates, etc.)