

# Charles Indoor Battery Racks - Bay Rack (CIBR-R)

## Indoor rack systems for secure storage and easy access to VRLA or Ni-Cd batteries

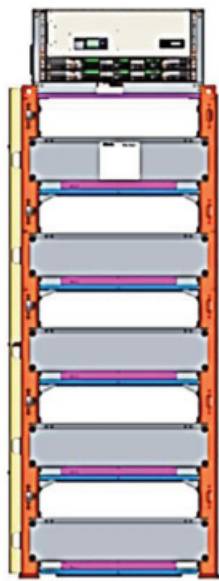
Charles Indoor Battery Racks (CIBR) are bay rack style, Zone 4 seismic compliant (GR-487 certified) battery rack systems supporting 200Ah VRLA or 180Ah Ni-Cd batteries. Multiple configurations, from 2 to 5 battery trays, are available with optional integrated Power Plant kits. Each tray includes a 100 amp breaker and alarm safety features. CIBR support various applications, including 24VDC to 48VDC conversions for 5G RAN/C-RAN upgrades in shelters or DAS headend rooms. Each rack can be ordered with additional 19" or 23" equipment rack mounting kits.



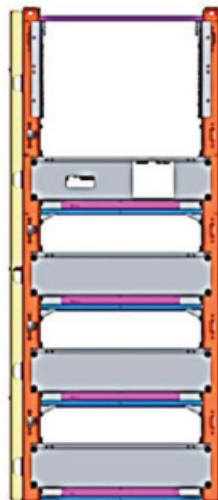
## Product Features

- 10-gauge welded steel construction, classic gray powder-coated finish
- Seismic Zone 4 rated (GR-487 certified) for shock, vibration and seismic resistance
- Each tray accommodates 1 string of 200Ah VRLA or 180Ah Ni-Cd batteries
- 100 Amp circuit breaker for each battery string
- Battery string configurations are available in 2, 3, 4 and 5 string options
- Fully factory wired with copper bus bar and dual lug interconnections
- Various power plant kits available (sold separately)

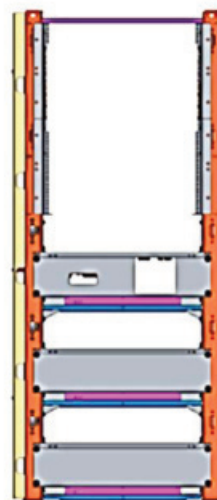
## Product Configurations



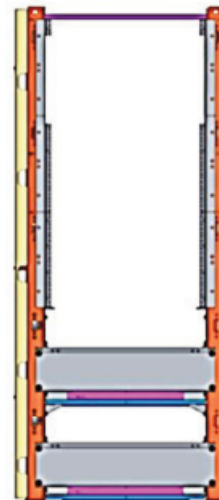
**5 TRAY CONFIGURATION**  
(Shown with 6RU Top Rack and optional Power Plant)



**4 TRAY CONFIGURATION**



**3 TRAY CONFIGURATION**



**2 TRAY CONFIGURATION**

# Product Specifications

Part Number	Voltage	Overall Size HxWxD (in.)	# of Battery Trays	Equipment Mounting Space	Battery Type	Battery Size	Battery Disconnect	Weight (lbs) Empty / With Batteries
CIBR-4500V200B2	48VDC	84"x31"x29"	5	6 RU (Top of rack, for optional Power Plant)	VRLA	200 Ah	Circuit Breaker	700 / 3200
CIBR-4500V200B1	48VDC	72"x31"x29"	5	None	VRLA	200 Ah	Circuit Breaker	650 / 3100
CIBR-4408V200B1	48VDC	72"x31"x29"	4	8 RU	VRLA	200 Ah	Circuit Breaker	610 / 2610
CIBR-4316V200B1	48VDC	72"x31"x29"	3	16 RU	VRLA	200 Ah	Circuit Breaker	570 / 2070
CIBR-4224V200B1	48VDC	72"x31"x29"	2	24 RU	VRLA	200 Ah	Circuit Breaker	530 / 1530
CIBR-4500N180B2	48VDC	84"x31"x29"	5	6 RU (Top of rack, for optional Power Plant)	Ni-Cd	180 Ah	Circuit Breaker	700 / 3200
CIBR-4500N180B1	48VDC	72"x31"x29"	5	None	Ni-Cd	180 Ah	Circuit Breaker	650 / 3100
CIBR-4408N180B1	48VDC	72"x31"x29"	4	8 RU	Ni-Cd	180 Ah	Circuit Breaker	610 / 2610
CIBR-4316N180B1	48VDC	72"x31"x29"	3	16 RU	Ni-Cd	180 Ah	Circuit Breaker	570 / 2070
CIBR-4224N180B1	48VDC	72"x31"x29"	2	24 RU	Ni-Cd	180 Ah	Circuit Breaker	530 / 1530

## NOTES

- 1) 24VDC Configurations available by special order.
- 2) Optional factory installed Power Plant Kits are available, call for details on available manufacturers and models.

## Accessories

### Part Number

96-CIBRTRAY01  
96-CIBRRACK8RU  
96-CIBRRCK23RU

### Description

Add on Battery Tray Kit  
Add on 8 RU 19" Rack Kit  
Add on 8 RU 23" Rack Kit

Please call Charles Industries at (847) 806-6300 for additional product or ordering information.



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