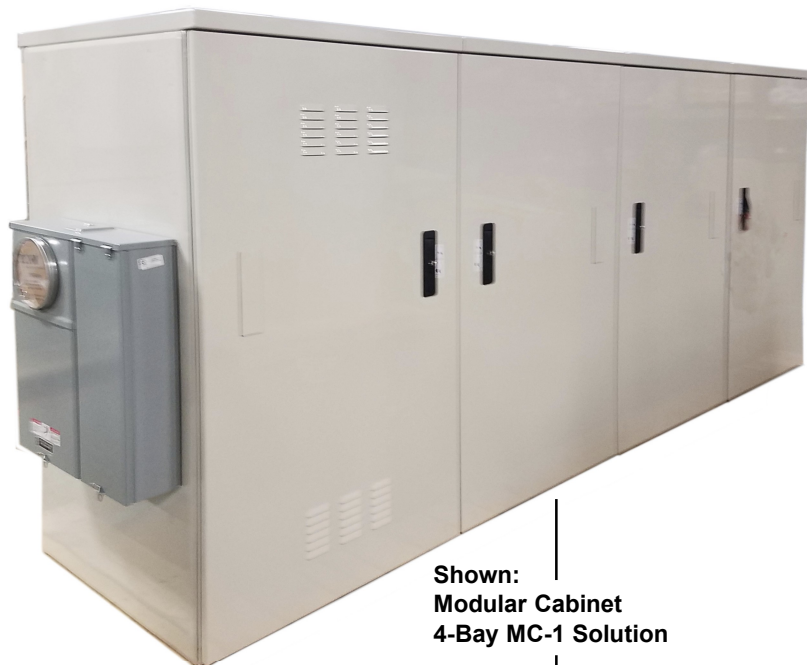


CUBE Modular Cabinet Series

Flexible Multiple Bay Cabinets Allow for Field Expansion with Placement of Additional Bays



Shown:
Modular Cabinet
4-Bay MC-1 Solution

Charles Modular Cabinets offer the ultimate in flexibility for outdoor enclosure deployments. Multiple standard bays can be mixed and matched into a multitude of different configurations to suit a specific application. The cabinet lineup can be built and shipped direct from the Charles factory in the desired configuration. Additional bays can be ordered separately at a later date to be added in the field to accommodate growth. Standard bay types include relay rack bays to support power and active electronics, passive fiber management, and battery bays to support multiple strings of 12V Monoblock batteries. Options include different thermal management systems for bays needing cooling, internal or external AC power panels, integrated AC-DC power systems, fiber panels, and plinths. Thermal management systems are door mounted and can be added / changed out in the future as cooling needs change.

Modular Cabinets are available in three different sizes (size per bay):

MC-1 (small)	62"H x 32"W x 32"D	31RU Equipment Space (front/back)
MC-2 (medium)	74"H x 32"W x 36"D	38RU Equipment Space (front/back)
MC-3 (large)	84"H x 32"W x 36"D	43RU Equipment Space (front/back)

Specifications:

Construction

0.125" Aluminum Welded Construction Outer
Enclosure, Powder Coated Cool White Finish,
Pad Mount

Mounting Style



Shown: Modular Cabinet 2-Bay MC-1 Solution



CUBE Modular Cabinet Series

MODULAR CABINET PART NUMBER CONFIGURATOR

MC- **A** **B** **C** **D** **C** **D** **C** **D** **C** **D** **E** **F**

Series Equipment Compartment Doors & Mounting Style 1st Bay Style 1st Bay Thermal 2nd Bay Style 2nd Bay Thermal 3rd Bay Style 3rd Bay Thermal 4th Bay Style 4th Bay Thermal Power Configuration Number

For Values A through E, choose desired option from corresponding column below.

A

Series

- 1 - 62"H x 32"W x 32"D
- 2 - 74"H x 32"W x 36"D
- 3 - 84"H x 32"W x 36"D

B

Equip Compartment Doors & Mounting Style

- 2 - Front and Rear Door
- 5 - Front Door, Rear Panel

C

Bay Style

- B - Modular Battery Bay
- E - Modular Equipment Bay
- F - Modular Passive Fiber
- G - Modular Equipment Bay, Insulated
- N - None

D

Bay Thermal

- 2 - 2000 BTU DC HVAC
- 5 - 6000W CTMS
- 6 - 6000 BTU DC HVAC
- 7 - 17000 BTU DC HVAC
- C - 12000 BTU DC HVAC
- F - Direct Air Cooler (DAC)
- G - Vented Only
- H - Vented w/ Fan
- J - 4000 BTU HVAC 120VAC
- K - 4000 BTU DC HVAC
- L - 10000 BTU DC HVAC
- M - 1880W HX
- N - None
- R - 24000 BTU DC HVAC
- T - 3500W 48VDC HX
- U - 10000 BTU HVAC, 240VAC
- V - (2) 10000 BTU DC HVAC
- Y - (2) 10K BTU AC Powered HVAC

E

Power

- K - 16 Position AC Load Center
- N - No Power
- P - AC, 20 Position
- T - AC, 30 Position

F

Configuration

Charles will assign configuration #, use "1" as default.

Sample Part Numbers:

MC-25BHEHN1

Modular Cabinet, Medium (74"H x 32"W x 36"D), Front Door and Rear Panel, No Power

- 1st Bay: Modular Battery Bay, Vented with Fan
- 2nd Bay: Modular Equipment Bay, Vented with Fan

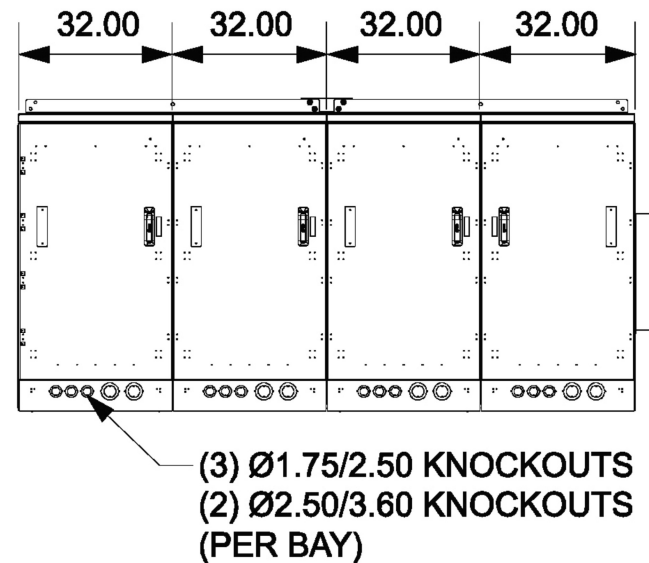
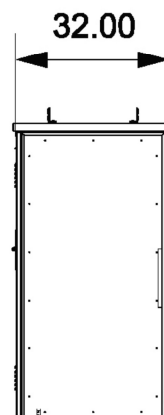
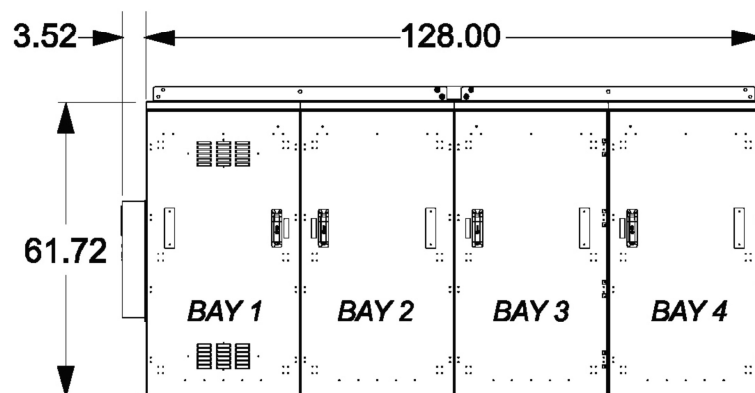
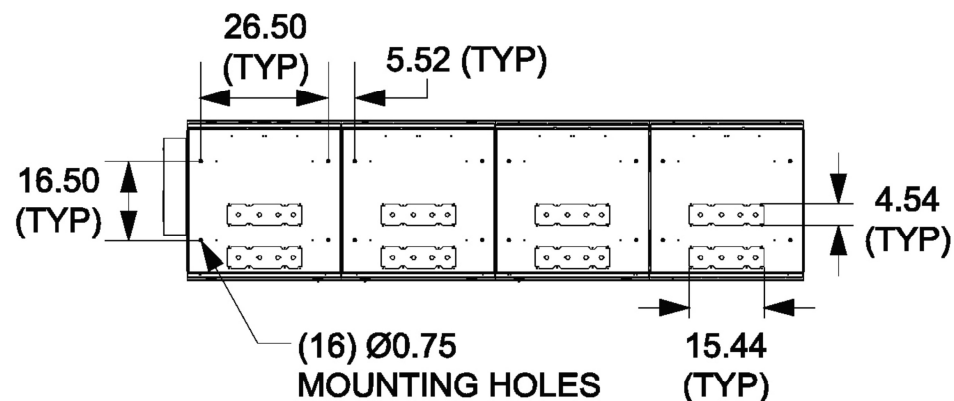
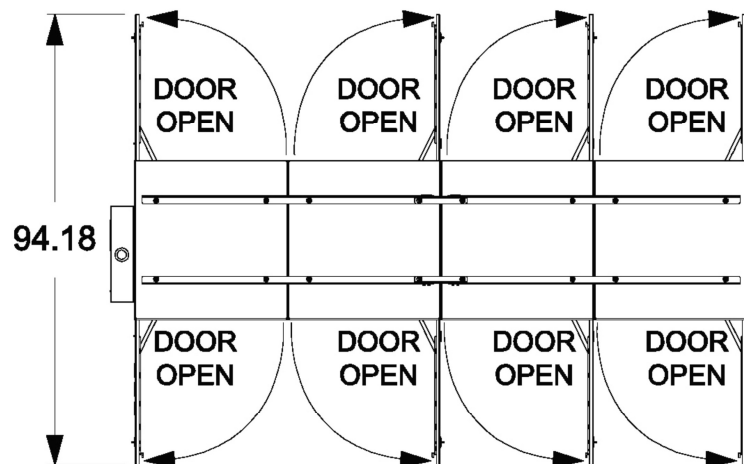
MC-12BJBJEJFNK1

Modular Cabinet, Small (62"H x 32"W x 32"D), Front and Rear Doors, 16 Position AC Load Center

- 1st Bay: Modular Battery Bay with 4000 BTU HVAC 120VAC
- 2nd Bay: Modular Battery Bay with 4000 BTU HVAC 120VAC
- 3rd Bay: Modular Equipment Bay with 4000 BTU HVAC 120VAC
- 4th Bay: Modular Passive Fiber with no power

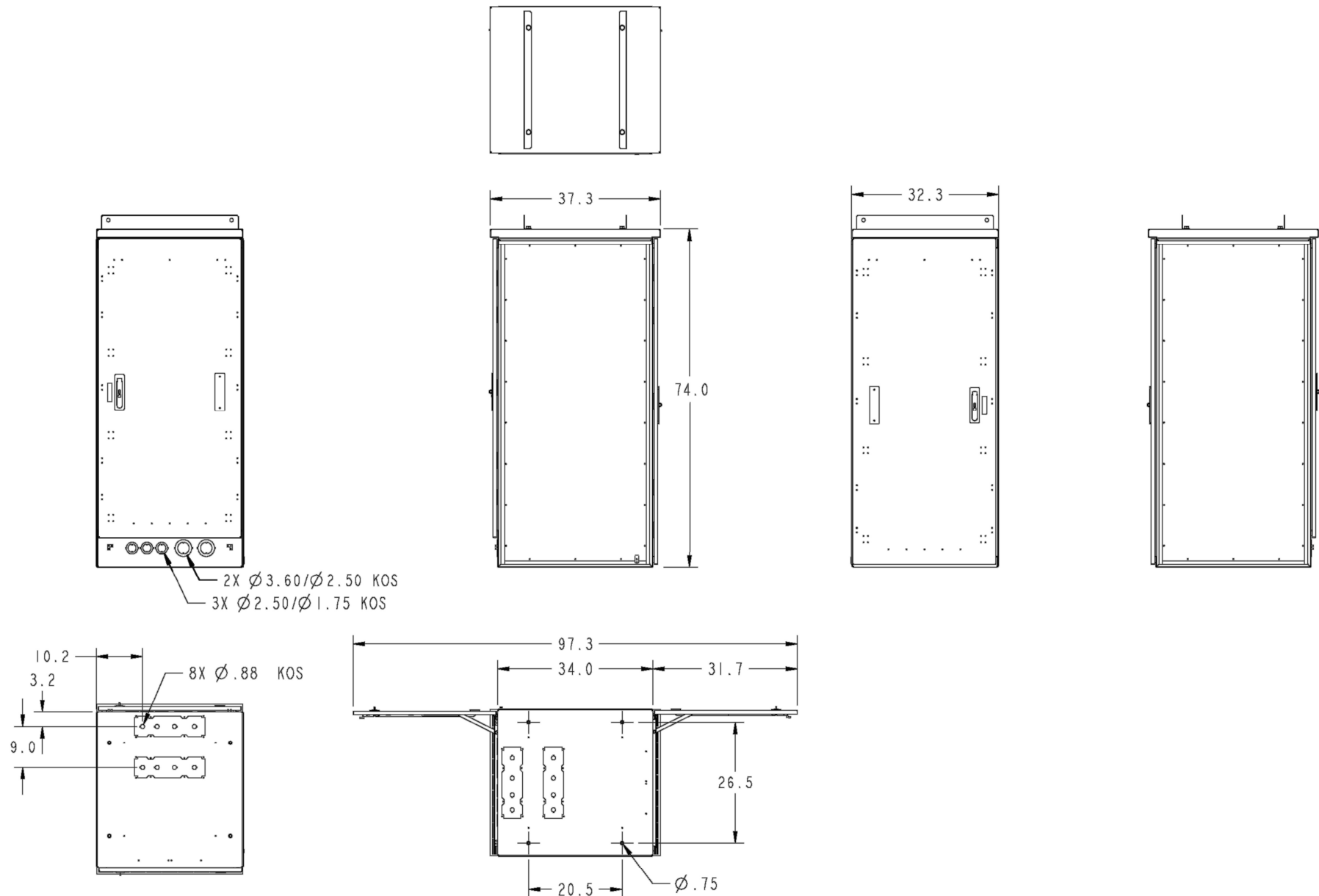
CUBE Modular Cabinet Series

CUBE MC-1 DIMENSIONAL VIEWS (4-BAY CONFIGURATION SHOWN)



CUBE Modular Cabinet Series

CUBE MC-2 DIMENSIONS (SINGLE BAY)



CUBE Modular Cabinet Series

CUBE MC-3 DIMENSIONS (SINGLE BAY)

