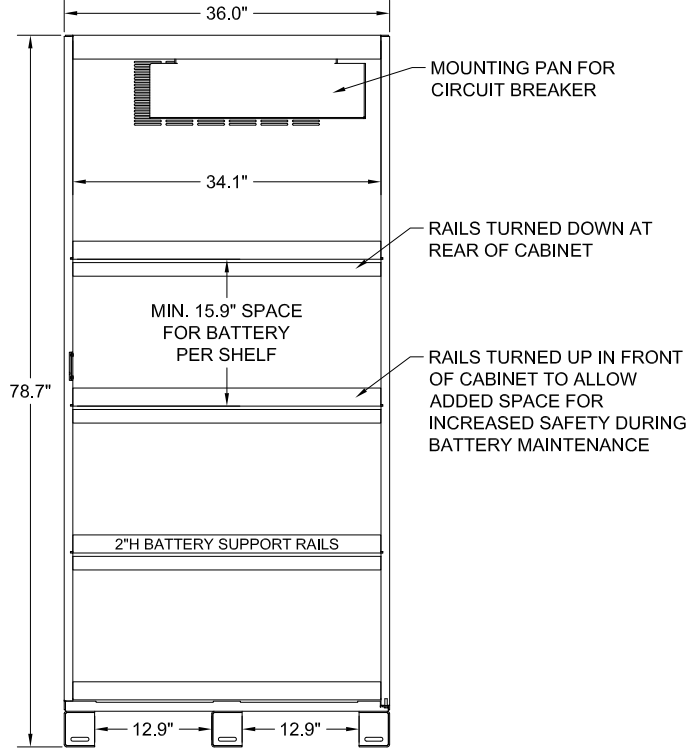


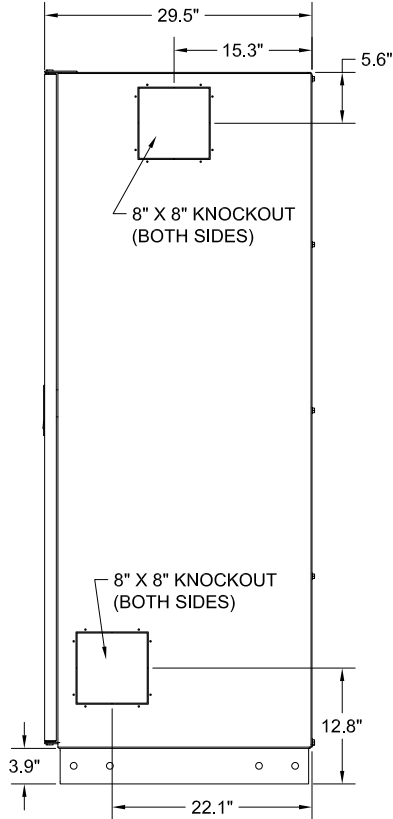
TOP VIEW

PART NUMBER BREAK DOWN
BC43-B50040E0350ZA01

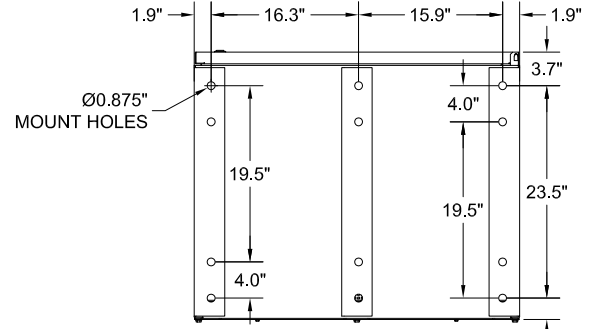
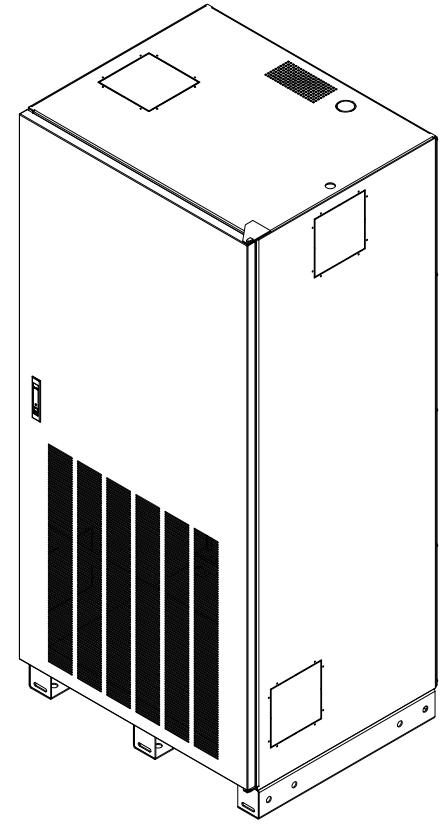
- TABLE CODE: A01 A03
- SEISMIC RATING: BLANK=NONE, H OSHPD, Z SEISMIC
- BATTERY SIZE: 0200 12HX205-FR, 0300 12HX300-FR, 0350 12HX330-FR, 0400 12HX400-FR, 0500 12HX505-FR, 0550 12HX540-FR
- BATTERY MANUFACTURER
- BATTERY QUANTITY: 40
- BREAKER RATING
- COLOR: A BEIGE, B BLACK



FRONT VIEW
(DOOR REMOVED)



SIDE VIEW



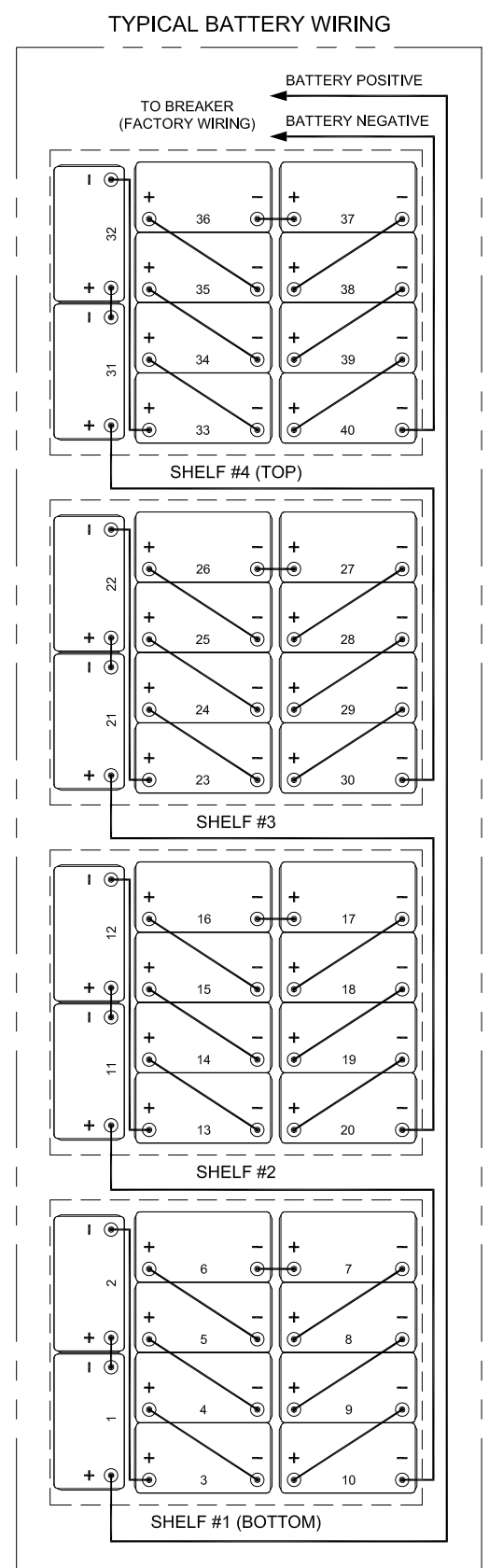
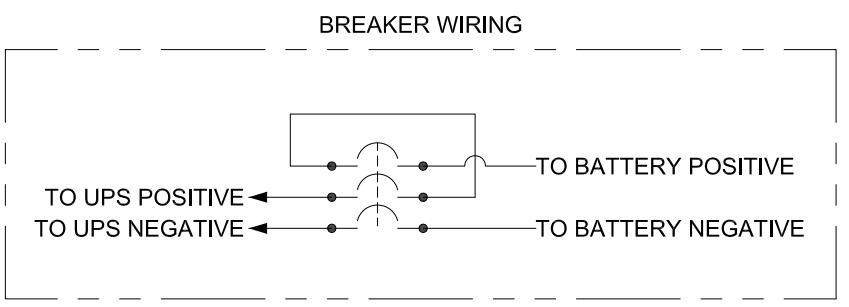
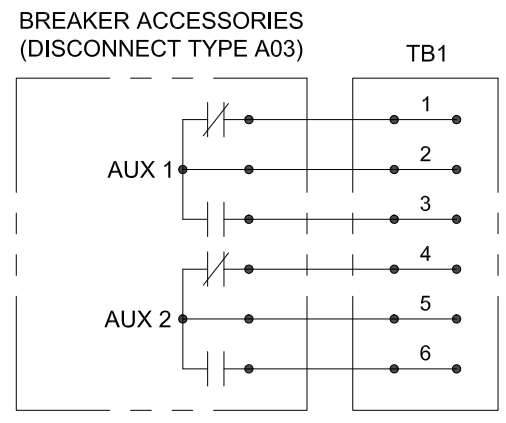
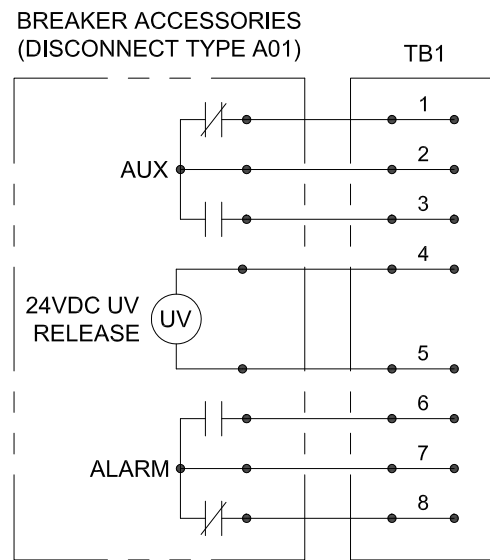
BOTTOM VIEW

NOTES:

1. EMPTY CABINET WEIGHT (APPROXIMATE): 488 LBS.
2. WEIGHT WITH BATTERIES (APPROXIMATE): 2310-4858 LBS.
3. FACTORY ASSEMBLED BATTERY CABINETS ARE UL AND CUL LISTED TO UL 1778 & CSA C22.2 NO. 107.3 (UL FILE NO. E212683).
4. NEMA 1 TYPE ENCLOSURE.
5. HEAVY GAUGE WELDED STEEL CONSTRUCTION.
6. POWDER COAT FINISH ON EXTERIOR AND INTERIOR OF CABINET.
7. FOR EASE OF CONDUIT INSTALLATION A 16 GAUGE CONDUIT KNOCKOUT PLATE IS PROVIDED TO COVER A KNOCKOUT IN THE CABINET. (1) 8"x8" COVER PLATE IS PROVIDED.
8. BATTERIES CAN BE ACCESSED FROM THE FRONT AND REAR OF THE CABINET.
9. THE CABINET CAN BE MOVED WITH A PALLET JACK OR FORKLIFT USING THE PALLET JACK ACCESS POINT LOCATED AT THE FRONT OR REAR OF THE CABINET. THE CABINET CAN BE MOVED FROM THE SIDES WITH ROL-A-LIFT TYPE EQUIPMENT MOVER. THE CABINET IS ONLY TO BE LIFTED FROM THE BOTTOM.
10. A MINIMUM CLEARANCE OF 36" IS REQUIRED AT THE FRONT OF THE CABINET.
11. A MINIMUM CLEARANCE OF 2" IS REQUIRED AT THE TOP AND THE REAR OF THE CABINET FOR OPTIMAL COOLING.
12. SEISMIC CODE "Z": (OPTIONAL CONFIGURATION) IS CERTIFIED TO THE INTERNATIONAL BUILDING CODE (IBC) AND THE CALIFORNIA BUILDING CODE (CBC) TO MEET SEISMIC DESIGN VATEGORY F, SS=2.0 AND IMPORTANCE FACTOR 1.5.
13. SEISMIC CODE "H": (OPTIONAL CONFIGURATION) IS OSHPD CERTIFIED.

REVISIONS

| | | | | | | | |
|---------------|----------------|--|------------|--------------|----------------|---|-----------------------------|
| REF. DWG. No. | FILE LOCATION: | DIM. IN: INCHES | SCALE: NTS | DRAFTER: CH | DATE: 11/29/21 | <p>MITSUBISHI ELECTRIC POWER PRODUCTS, INC. WARRENDALE, PA.</p> | |
| | | <small>THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF C&C POWER, INC. AND HAS BEEN PREPARED FOR THE USE OF MITSUBISHI ELECTRIC POWER PRODUCTS, INC. FOR USE IN CONJUNCTION WITH EQUIPMENT PROVIDED BY C&C POWER, INC. UNAUTHORIZED REPRODUCTION, IN WHOLE OR IN PART, WITHOUT WRITTEN PERMISSION OF C&C POWER, INC. IS PROHIBITED. © 2021 C&C POWER, INC.</small> | | CHECKED: PB | DATE: 11/29/21 | | TITLE: BC43 BATTERY CABINET |
| | | | | ENGINEER: CH | DATE: 11/29/21 | | DWG No. SHEET 1 OF 2 |
| | | | | APPROVED: PB | DATE: 11/29/21 | REV: 4 | |



| BREAKER & CABLE INFO | | | | | | | | | | | |
|----------------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|----------|
| UPS SIZE | 80 KVA | 100 KVA | 150 KVA | 160 KVA | 225 KVA | 300 KVA | 375 KVA | 500 KVA | 675 KVA | 750 KVA | 1050 KVA |
| BREAKER SIZE AMPS | 200A | 225A | 350A | 400A | 500A | 400A | 500A | 600A | 600A | 600A | 600A |
| BREAKER TIE CABLE | (1) #1 | (1) 1/0 | (1) 4/0 | (1) 4/0 | (2) 1/0 | (1) 4/0 | (2) 1/0 | (2) 2/0 | (2) 2/0 | (2) 2/0 | (2) 2/0 |
| INTERCELL CABLE | (1) #1 | (1) 1/0 | (1) 4/0 | (1) 4/0 | (2) 1/0 | (1) 4/0 | (2) 1/0 | (2) 2/0 | (2) 2/0 | (2) 2/0 | (2) 2/0 |
| AUX, ALARM, UV | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES | NO |
| DUAL AUX | NO | NO | NO | NO | NO | NO | NO | NO | NO | NO | YES |

| CABINET WEIGHTS | |
|-----------------|---------------|
| BATTERY SIZE | SYSTEM WEIGHT |
| 200W | 2,310 LBS |
| 300W | 2,990 LBS |
| 350W | 3,430 LBS |
| 400W | 3,818 LBS |
| 500W | 4,738 LBS |
| 540W | 4,858 LBS |

- NOTES:**
- ALL INTERNAL WIRING IS UL LISTED MTW STYLE 600V 105C RATED CLASS K STRANDING EXTRA FLEXIBLE CABLE.
 - BREAKER IS UL LISTED.
 - BREAKER ACCESSORY TERMINAL BLOCK IS UL RECOGNIZED, 600V RATED.
 - BATTERY CABINETS WITH BREAKERS ARE SHIPPED WITH BREAKER IN THE OFF POSITION.
 - BREAKERS ARE PROVIDED WITH A POLYCARBONATE SHIELD TO COVER ACCESS TO LIVE PARTS.
 - GROUND LUG ACCEPTS (1) #14-1/0 AWG CABLE.
 - BATTERY CABINETS ARE SHIPPED WITH BATTERY JUMPER REMOVED TO BREAK STRING VOLTAGE FOR ADDED SAFETY IN SHIPPING. JUMPER MUST BE CONNECTED DURING CABINET INSTALLATION. REFER TO THE SYSTEM DRAWING INCLUDED INSIDE CABINET TO IDENTIFY THE JUMPER THAT IS REMOVED.
 - ALL CONTROL WIRING IS POWERED FROM AN OUTSIDE SOURCE.
 - FOR BATTERY TORQUE INFORMATION REFER TO THE SYSTEM DRAWING INCLUDED INSIDE CABINET OR SEE LABEL ON BATTERY CASE.
 - FOR TERMINAL BLOCK TORQUE INFORMATION REFER TO THE ACCESSORY BLOCK WIRING LABEL LOCATED INSIDE THE CABINET DOOR.
 - FOR CIRCUIT BREAKER ACCESSORY AND TORQUE INFORMATION REFER TO THE CIRCUIT BREAKER INFO LABEL LOCATED INSIDE THE CABINET DOOR.
 - CABLES FROM BATTERY CABINET TO UPS SYSTEM ARE PROVIDED BY OTHERS.

| | | | | | | | | | | |
|-----------|----------------|----------|-----------|-----------|----------|----------|----------|--|----------|---|
| REVISIONS | REF. DWG. No. | DATE | 11/29/21 | APPROVED: | PB | DATE | 11/29/21 | <p>MITSUBISHI ELECTRIC POWER PRODUCTS, INC. WARRENDALE, PA.</p> <p>TITLE: BC43 BATTERY CABINET</p> <p>DWG No. SHEET 2 OF 2</p> | REV: | 4 |
| | FILE LOCATION: | DATE | 11/29/21 | CHECKED: | PB | DATE | 11/29/21 | | | |
| | DATE | 11/29/21 | ENGINEER: | CH | DATE | 11/29/21 | DATE | | 11/29/21 | |
| | DRAWN: | CH | DATE | 11/29/21 | DRAFTED: | CH | DATE | | 11/29/21 | |

| EATON SERIES C BREAKER SIZING | | | | | | |
|-------------------------------|-------------|------------|------------|-------------|-------------|------------|
| BREAKER SIZE AMPS | 15-100A | 110-225A | 250A | 300-350A | 400A | 450A |
| AIC @ 250VDC | 50K | 50K | 50K | 50K | 50K | 50K |
| AIC @ 600 VDC | 42K | 42K | 42K | 42K | 42K | 35K |
| OUTPUT LUG SIZE | (1) #14-1/0 | (1) #4-4/0 | (1) #4-350 | (1) 250-500 | (2) 3/0-250 | (2) #4-4/0 |

| | | | | |
|-------------------|-------------|-------------|------------|-------------|
| BREAKER SIZE AMPS | 500A | 600A | 700A | 800A |
| AIC @ 250VDC | 50K | 50K | 50K | 50K |
| AIC @ 600 VDC | 35K | 35K | 35K | 35K |
| OUTPUT LUG SIZE | (2) 3/0-350 | (2) 400-500 | (2) #1-500 | (3) 3/0-400 |

| EATON SERIES C BREAKER ACCESSORY CONTACT RATING | | | |
|---|----------------|----------------|----------------|
| VOLTAGE | 125 VDC | 250 VDC | 600 VAC |
| AUXILIARY SWITCH | .5 AMPS** | .25 AMPS** | 6 AMPS |
| BELL ALARM | .5 AMPS** | .25 AMPS** | 6 AMPS |

** NON-INDUCTIVE LOAD.

| EATON SERIES G BREAKER SIZING | | | | |
|-------------------------------|------------|------------|-------------|------------|
| BREAKER SIZE AMPS | 70-250A | 300-350A | 400A | 500-600A |
| AIC @ 250VDC | 35K | 22K | 22K | 22K |
| AIC @ 600 VDC | 35K | 35K | 35K | 35K |
| OUTPUT LUG SIZE | (1) #8-350 | (1) #3-500 | (1) 500-750 | (2) #2-500 |

| EATON SERIES G BREAKER ACCESSORY CONTACT RATING | | | | | |
|---|----------------|----------------|----------------|----------------|----------------|
| VOLTAGE | 125 VDC | 250 VDC | 230 VAC | 400 VAC | 600 VAC |
| AUXILIARY SWITCH | 0.5 AMP** | 0.15 AMPS** | 6 AMPS | 3 AMPS | 0.25 AMPS |
| BELL ALARM | 0.5 AMP** | 0.15 AMPS** | 6 AMPS | 3 AMPS | 0.25 AMPS |

** NON-INDUCTIVE LOAD.

| SIEMENS SERIES VL BREAKER SIZING | | | | | | |
|----------------------------------|------------|-------------|------------|-------------|-------------|--|
| BREAKER SIZE AMPS | 100-250A | 300-400A | 500-600A | 700-800A | 900A-1200A | |
| AIC @ 250VDC | 30K | 30K | 30K | 22K | 22K | |
| AIC @ 600 VDC | 42K | 65K | 65K | 65K | 65K | |
| OUTPUT LUG SIZE | (1) #4-350 | (2) 3/0-250 | (2) #2-600 | (3) 1/0-500 | (4) 1/0-500 | |


| SIEMENS BREAKER ACCESSORY CONTACT RATING | | | |
|--|----------------|----------------|----------------|
| VOLTAGE | 300 VDC | 300 VAC | 600 VAC |
| AUXILIARY SWITCH | 1 AMPS** | 10 AMPS | 10 AMPS |
| BELL ALARM | 1 AMPS** | 10 AMPS | 10 AMPS |

** NON-INDUCTIVE LOAD.

| SQUARE-D POWERPACT BREAKER SIZING | | | |
|-----------------------------------|------------|-------------|-------------|
| BREAKER SIZE AMPS | 100-175A | 200-250A | 300-600A |
| AIC @ 500 VDC | 50K | 50K | 50K |
| OUTPUT LUG SIZE | (1) #4-4/0 | (1) 3/0-350 | (2) 2/0-500 |

| SQUARE-D POWERPACT BREAKER ACCESSORY CONTACT RATING | | | | |
|---|---------------|---------------|--------------------|-------------------|
| VOLTAGE | 24 VDC | 48 VDC | 110-250 VDC | 24-690 VAC |
| AUXILIARY SWITCH | 6 AMPS** | 2.5 AMPS** | 0.6 AMPS** | 6 AMPS |
| BELL ALARM | 6 AMPS** | 2.5 AMPS** | 0.6 AMPS** | 6 AMPS |

** NON-INDUCTIVE LOAD.

| | | | | | | | | | | | | | |
|-----------|--|----------------|-----------------|------------|-------------|-------------|--------------|--------------|---------------|---------------|--------------------------------------|---------------|--|
| REVISIONS | REF. DWG. No. | FILE LOCATION: | DIM. IN: INCHES | SCALE: NTS | DRAFTER: CH | CHECKED: PB | ENGINEER: CH | APPROVED: PB | DATE: 3/29/21 | DATE: 3/29/21 | DATE: 3/29/21 | DATE: 3/29/21 |  MITSUBISHI ELECTRIC POWER PRODUCTS, INC. WARRENDALE, PA. |
| | <small>THIS DRAWING CONTAINS PROPRIETARY AND CONFIDENTIAL INFORMATION OF C&C POWER, INC. AND HAS BEEN PREPARED FOR THE USE OF MITSUBISHI ELECTRIC POWER PRODUCTS, INC. FOR USE IN CONJUNCTION WITH EQUIPMENT PROVIDED BY C&C POWER, INC. UNAUTHORIZED REPRODUCTION, IN WHOLE OR IN PART, WITHOUT WRITTEN PERMISSION OF C&C POWER, INC. IS PROHIBITED. © 2013 C&C POWER, INC.</small> | | | | | | | | | | | | |
| | | | | | | | | | | | TITLE: DC CIRCUIT BREAKER DATA SHEET | | |
| | | | | | | | | | | | DWG No. 1 OF 1 | REV: 10 | |