

**NOTES:**

- EMPTY CABINET WEIGHT: 620 LBS
1. NEMA 1 ENCLOSED BATTERY CABINET.
2. FACTORY ASSEMBLED CABINETS ARE LISTED TO UL 1778.
3. HEAVY GAUGE WELDED STEEL CONSTRUCTION.
4. FINISH IS BLACK, DURABLE CHIP AND CORROSION RESISTANT POWDER COAT.
5. A MINIMUM REAR CLEARANCE OF 2" IS RECOMMENDED FOR OPTIMAL COOLING OF THE EQUIPMENT.
6. FOR EASE OF CONDUIT INSTALLATION, (1) 8" X 8" CONDUIT PLATE IS PROVIDED TO REPLACE A KNOCKOUT IN THE CABINET.
7. BATTERIES CAN BE ACCESSED FROM THE FRONT AND REAR.
8. CABINET CAN BE MOVED WITH PALLET JACK OR FORK LIFT AT PALLET JACK ACCESS POINTS LOCATED AT FRONT OR REAR OF CABINET. FROM THE SIDES, THE CABINET CAN BE MOVED WITH ROL-A-LIFT TYPE EQUIPMENT MOVER. THE CABINET IS ONLY TO BE LIFTED FROM THE BOTTOM.
9. THE BC58S BATTERY CABINET (OPTIONAL CONFIGURATION) IS CERTIFIED TO THE INTERNATIONAL BUILDING CODE (IBC) AND THE CALIFORNIA BUILDING CODE (CBC) TO MEET SEISMIC DESIGN CATEGORY F, SS = 2.0 AND IMPORTANCE FACTOR 1.5.

**BC58 BATTERY CABINET  
MECHANICAL DRAWING**

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DIMENSIONS ARE IN INCHES		INITIALS	DATE
TOLERANCES:		DRAWN JRL	12/06/2021
DECIMALS: .XX ±.13	ANGLES: ±1°	CHECKED CH	12/07/2021
.XXX ±.082			

SCALE: SHEET A NTS 6

SHEET 1 OF 2

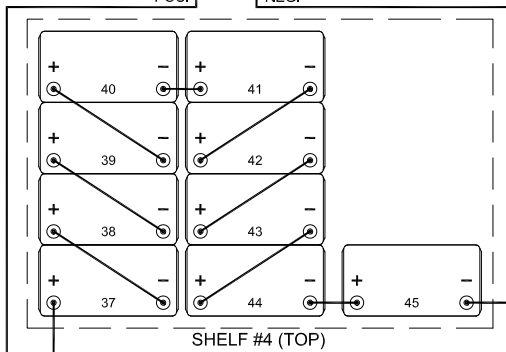


Electrification Product Group  
EP Industrial Solutions Division  
Manufactured by C&C Power for ABB

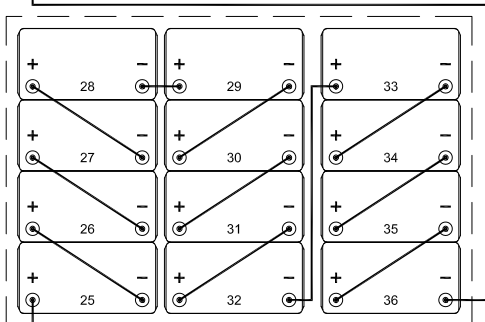
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TO BREAKER PAN

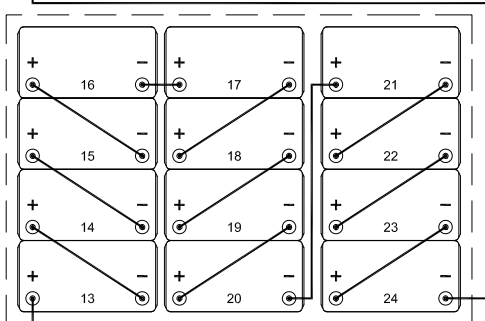
POS. ↑    ↑ NEG.



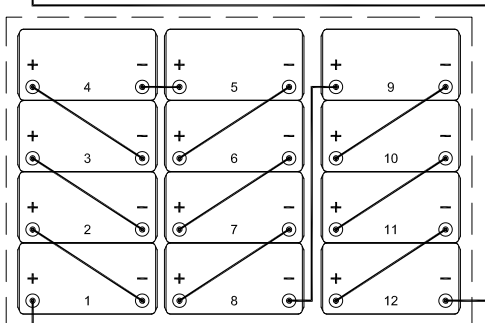
SHELF #4 (TOP)



SHELF #3



SHELF #2



SHELF #1 (BOTTOM)

540 VDC TYPICAL WIRING

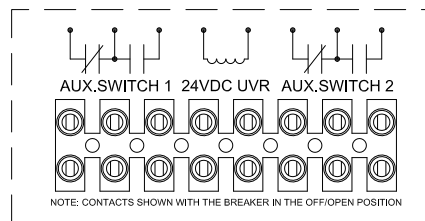
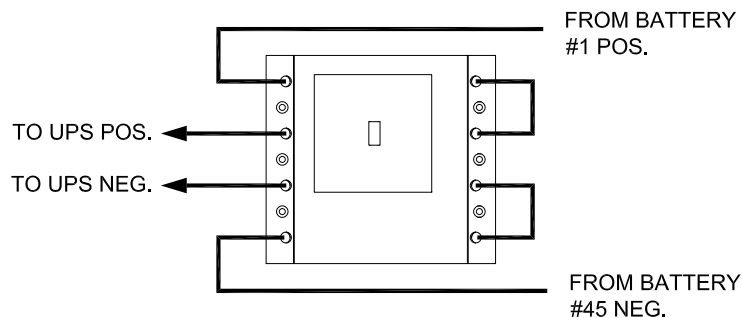
**NOTES:**

1. ALL INTERNAL WIRING IS UL LISTED, MTW, STYLE, 105C, EXTRA FLEXIBLE CABLE.
2. BREAKER IS UL LISTED.
3. CABINETS WITH BREAKERS ARE SHIPPED WITH BREAKER IN THE OFF / OPEN POSITION.
4. CABINETS ARE SHIPPED WITH BATTERY JUMPER REMOVED TO BREAK STRING VOLTAGE FOR ADDED SAFETY IN SHIPPING.
5. THE BREAKER ACCESSORY TERMINAL BLOCKS ARE UL RECOGNIZED, 600V RATED.
6. CABLES FROM BATTERY CABINET TO UPS SYSTEM ARE OPTIONAL.
7. GROUND CONNECTION IS #14-1/0 AWG MECHANICAL LUG.

**BATTERY CONFIGURATIONS**

<u>WPC CAPACITY</u>	<u>MAXIMUM NUMBER OF BATTERIES</u>
200 W	45
300 W	45
350 W	45
400 W	45
500 W	45
540 W	45
620 W	45

**BREAKER WIRING DETAIL**



**BREAKER ACCESSORIES**

**BC58 BATTERY CABINET  
ELECTRICAL DRAWING**

CIRCUIT BREAKER SUMMARY				
BREAKER TYPE	BREAKER MODEL	TRIP	AIC	WIRE RANGE
ABB T5	T5PB400TL	400A	5K @ 1000VDC	(2) 2/0 - 300 MCM
ABB T6	T6PB600TL	600A	10K @ 1000VDC	(3) 2/0 - 400 MCM

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ANGLES: ±1°		
XXX ±.082		
SCALE: SEE A	REV: 6	SHEET 2 OF 2



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