

**NOTES:**

1. NEMA 1 ENCLOSED BATTERY CABINET.
2. FACTORY ASSEMBLED CABINETS ARE LISTED TO UL 1778.
3. HEAVY GAUGE WELDED STEEL CONSTRUCTION.
4. FINISH IS ABB 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) HAS BEEN CERTIFIED TO MEET THE 2012 EDITION OF THE INTERNATIONAL BUILDING CODE (IBC) AND THE 2013 EDITION OF THE CALIFORNIA BUILDING CODE (CBC) TO MEET DESIGN CATEGORY F, SS = 2.0 AND IMPORTANCE FACTOR 1.5.

**BC58 BATTERY CABINET FOR ABB DPA 500 UPS  
MECHANICAL DRAWING**

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DIMENSIONS ARE IN INCHES		INITIALS	DATE
TOLERANCES:		DRAWN	JRL
DECIMALS: .XX ±.13	ANGLES: ±1°	CHECKED	CH
.XXX ±.082			02/26/2016

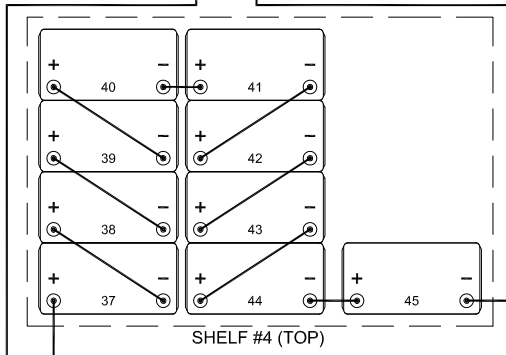
SCALE: SIZE: A REV: 2 SHEET 1 OF 2

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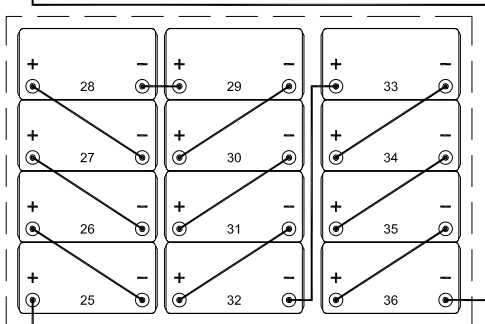
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TO BREAKER PAN

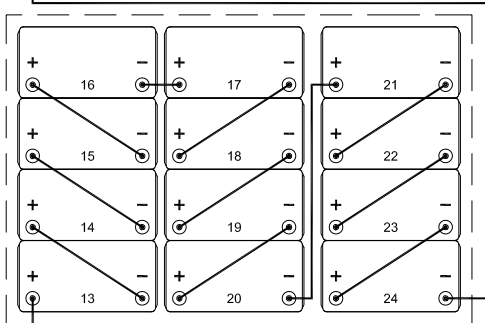
POS. ↑    ↑ NEG.



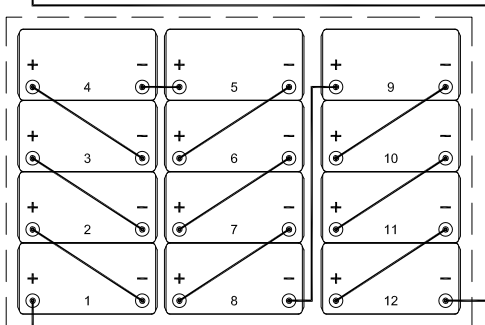
SHELF #4 (TOP)



SHELF #3



SHELF #2



SHELF #1 (BOTTOM)

540 VDC TYPICAL WIRING

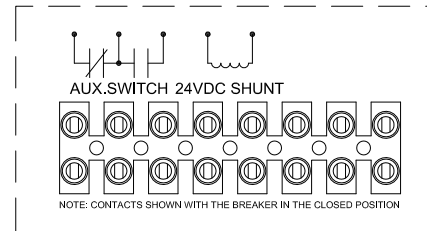
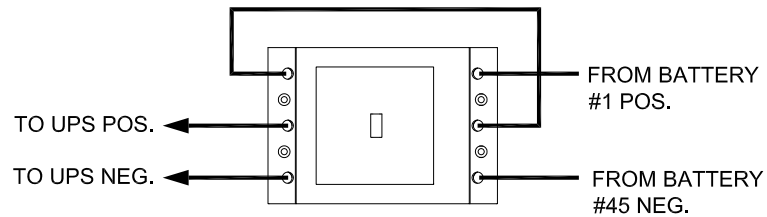
NOTES:

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 #6-300MCM MECHANICAL LUG.

BATTERY CONFIGURATIONS

WPC CAPACITY	MAXIMUM NUMBER OF BATTERIES
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 FOR ABB DPA 500 UPS  
ELECTRICAL DRAWING

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TOLERANCES:	DECIMALS: .XX ±.13	DRAWN JRL	02/26/2016
	ANGLES: ±1°	CHECKED CH	02/26/2016
SCALE: NTS	SIZE: A	REV: 2	SHEET 2 OF 2

CIRCUIT BREAKER SUMMARY

BREAKER TYPE	BREAKER MODEL	TRIP	AIC	WIRE RANGE
ABB T5	T5PB400TL	400A	5K @ 1000VDC	(2) 2/0 - 300 MCM

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