**CAUTION:**

HIGH CENTER OF GRAVITY - USE CAUTION WHEN MOVING CABINET

ONLY PERSONNEL TRAINED TO MOVE HEAVY EQUIPMENT SHOULD HANDLE THESE BATTERY SYSTEMS.

USE A FORKLIFT OR SIMILAR DEVICE WITH APPROPRIATE LIFTING CAPACITY TO LIFT THE CABINET.

NOTE THE CENTER OF GRAVITY MEASUREMENT

**STEPS FOR BATTERY CABINET INSTALLATION PROCEDURE**

1. TO HELP PREVENT DAMAGE, ALL PANELS FROM ALL BATTERY CABINETS SHOULD BE LABELED TO THEIR PROSPECTIVE CABINET, REMOVED AND PUT ASIDE IN A SAFE LOCATION WHILE MOVING THE CABINETS TO FINAL INSTALL POSITION.

2. INSTALL AND ALIGN THE FIRST CABINET, THEN EACH CABINET ADJACENT TO EACH OTHER. REFER TO PAGE 3 FOR PROPER LINE UP.


4. INSTALL SIDE PANEL ONTO THE OPEN SIDES OF THE BATTERY CABINET. INSTALL THE DOORS AND LOCK WHEN NOT OPEN FOR MAINTENANCE.

5. THE CABINET MUST BE ANCHORED TO THE FLOOR FOR SEISMIC SENSITIVE AREAS. AND TO MAINTAIN THE SEISMIC INTEGRITY OF THE BATTERY CABINET. ANCHORING HARDWARE IS NOT INCLUDED. CONTACT INTRAPACK TO PURCHASE ANCHORING HARDWARE

**CAUTION: HIGH VOLTAGE, RISK OF ELECTRICAL SHOCK**

- FOLLOW ALL SAFETY PRECAUTIONS WHEN WORKING ON THIS SYSTEM
- ALWAYS WEAR PROPER SAFETY EQUIPMENT INCLUDING EYE PROTECTION

**NOTE:**

FROM FLOOR TO CABINET LIFTING POINT IS 3.125”

SPREAD FORKS AS WIDE AS POSSIBLE WHEN LIFTING CABINETS.

MOVING A BATTERY CABINET

DO NOT LIFT THE CABINET HIGHER THAN NECESSARY TO CLEAR THE FLOOR WHEN MOVING

ABB
MEGAFLEX UPS BATTERY SKU
MGF1500-7-4A-ALT

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CAUTION: HIGH VOLTAGE, RISK OF ELECTRICAL SHOCK

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ISOMETRIC BATTERY CABINET VIEW

CABINET A
CABINET B
CABINET C & JC
CABINET D
CABINET E
CABINET F
CABINET G

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MEGAFLEX UPS BATTERY SKU
MGF1500-7-4A-ALT

ADJACENT REMOTE TOP TERMINAL BATTERY CABINET SYSTEM

JOB NO.: N/A
QUOTE NO.: IPC20-1020
DRAWN BY: SM
APPR. BY: N.T.S.

SYSTEM WEIGHT: 35, 158 lbs

SCALE: N.T.S.

DRAWING NO.: IPS-280D600-480-7-7D600-AR-JC

QUOTED WEIGHT 195 lbs
CAUTION: HIGH VOLTAGE, RISK OF ELECTRICAL SHOCK
- FOLLOW ALL SAFETY PRECAUTIONS WHEN WORKING ON THIS SYSTEM
- ALWAYS WEAR PROPER SAFETY EQUIPMENT INCLUDING EYE PROTECTION

FRONT VIEW

TOP VIEW
- BREAKER ACCESSIBLE THROUGH DOOR (TYP)
- REMOVE BATTERY CABINET TOP TO ACCESS CABLE TRAY

SIDE VIEW

BOTTOM VIEW

CABINET A, CABINET B, CABINET C, CABINET D, CABINET E, CABINET F, CABINET G

MEGAFLEX UPS BATTERY SKU
MGF1500-7-4A-ALT
POSITIONING OF COMPONENTS ARE FOR ILLUSTRATION PURPOSES AND MAY NOT BE REPRESENTED IN THE EXACT LOCATION INDICATED.

CAUTION: HIGH VOLTAGE, RISK OF ELECTRICAL SHOCK
- FOLLOW ALL SAFETY PRECAUTIONS WHEN WORKING ON THIS SYSTEM
- ALWAYS WEAR PROPER SAFETY EQUIPMENT INCLUDING EYE PROTECTION

GENERAL NOTES:
1. ONLY QUALIFIED TECHNICIANS SHOULD PERFORM INSTALLATION OR MAINTENANCE OF THIS BATTERY SYSTEM.
2. ALL TOOLS SHOULD BE INSULATED TO PREVENT ELECTRICAL SHOCK.
3. OPEN DISCONNECTS BEFORE INSTALLATION OR MAINTENANCE.
4. CHECK DC VOLTAGE AT BATTERY OUTPUT AND UPS OUTPUT TO ENSURE PROPER POLARITY BEFORE MAKING FINAL CONNECTIONS.

ELECTRICAL ILLUSTRATION

DC POWER CABLES FROM CJC TO THE UPS PROVIDED BY OTHERS. REFER TO NEC FOR PROPER AWG SIZE

TERMIAL BLOCK TO TERMINAL BLOCK AND TERMINAL BLOCK TO UPS CONTROL WIRING WILL BE 16-20 GA STRANDED, PROVIDED BY OTHERS

GROUND BUS

+POSITIVE BUS

-NEGATIVE BUS

FLAT BRAID STRAP

NEG OUTPUT
POS OUTPUT
GROUND OUTPUT

*** PLEASE NOTE THAT THE BUSS BARS ARE SHOWN APART FOR CLARITY ONLY. BUSS BARS ARE IN-LINE WITH ONE ANOTHER AND RUN FROM THE FRONT TO THE BACK OF THE CJC

MEGAFLEX UPS BATTERY SKU MGF1500-7-4A-ALT

ADJACENT REMOTE TOP TERMINAL BATTERY CABINET SYSTEM
CAUTION: HIGH VOLTAGE, RISK OF ELECTRICAL SHOCK

- FOLLOW ALL SAFETY PRECAUTIONS WHEN WORKING ON THIS SYSTEM
- ALWAYS WEAR PROPER SAFETY EQUIPMENT INCLUDING EYE PROTECTION

DASHED LINES INDICATE CUSTOMER PROVIDED CABLES

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BREAKER / CABLE CONNECTIONS

- BAT. #40 NEG TO BREAKER TERM. T3
- BAT. #20 NEG TO BREAKER TERM. T2
- BAT. #1 POS TO BREAKER TERM. T1
- +POS BREAKER OUTPUT TO +POS JC BUS
- -POS BREAKER OUTPUT TO -POS JC BUS

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GROUND LOCATION

- GROUND LOCATION (KNOCKOUT)
- GROUND LOCATION

DETAIL 'A'

- INSERT-TYPE POST (DYNASTY)
- UPS12-600MRX, TORQUE TO 110 IN-LBS.

DETAIL 'B'

- REF: SHEET 3
- 1/4 LOCK WASHER, SST
- TAB WASHER FOR BATTERY MONITORING (OPTIONAL)
- 1/4-20 X 1" HEX BOLT, SST
- TERMINAL LUG
- BATTERY TERMINAL
- 1/4 FLAT WASHER, SST
- LOAD WIRE FOR HARNESS MOUNTS HERE WHERE APPLICABLE

DETAIL 'C'

- CABINET
- CABINET
- LOCK WASHER
- FLAT WASHER
- NUT
- FLAT WASHER
- WIRE LUG

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ADJACENT BATTERY CABINET SYSTEM: All cable harnesses are provided in both the battery cabinet to battery cabinet connection including the battery cabinet cable harness to the UPS.

ADJACENT REMOTE BATTERY CABINET SYSTEM: All cable harnesses from battery cabinet to battery cabinet will be provided. The battery cabinet to UPS cable harness will be provided by the installing contractor.

REMOTE BATTERY CABINET SYSTEM: All cable harnesses from battery cabinet to battery cabinet and battery cabinet to UPS will be provided by the installing contractor.

NOTE: All control connections are made by onsite installation contractor (typical).

#6-40 PAN HEAD SCREW
#18 AWG LUG, RING
#18 AWG CU LEADS (TYPICAL)
#6-40 PAN HEAD SCREW (TYPICAL)

RECOMMEND BELDEN WIRE HARNESS PART NUMBER B-5202FE-8-U1000

CONTROL WIRE CABLE HARNESS ONE HARNESS PER CABINET PART # S002910   (TYP)

CABLE HARNESS (S002910), INSIDE CABINET PROVIDED WITH BATTERY SYSTEM

TERMINALS OPTIONAL, ONLY NEEDED IF REQUIRED BY UPS

NOTE: All control connections are made by onsite installation contractor (typical).

MEGAFLEX UPS BATTERY SKU MGF1500-7-4A-ALT