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:
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
CAUTION: HIGH VOLTAGE, RISK OF ELECTRICAL SHOCK

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

ISOMETRIC BATTERY CABINET VIEW

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

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**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.

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**Caution: High Voltage, Risk of Electrical Shock**

- Follow all safety precautions when working on this system.
- Always wear proper safety equipment including eye protection.

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**Electrical Illustration**

**Positioning of Components:**

- Components are for illustration purposes and may not be represented in the exact location indicated.

**Drawing Description:**

- DC power cables from CJC to the UPS provided by others. Refer to NEC for proper AWG size.
- Terminal block to terminal block and terminal block to UPS control wiring will be 16-20 GA stranded, provided by others.

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**Additional Notes:**

- Adjacent remote top terminal battery cabinet system.
- System weight: 30, 210 lbs.

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**Contact Information:**

- 10650 Markison Road
  - Dallas, TX 75238
  - Phone: 214-348-7105
  - Email: sales@intrapack.com

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**Revision Details:**

- IntraPack
  - 01/29/2021
  - Drawn by: SM
  - Appr. by: N.T.S.
  - Drawing No.: IPS-240D000-480-6-6D000-AR-JC
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

SEE BREAKER INFORMATION DATA SHEET FOR PROPER TORQUE AND WIRE SIZE

BAT. #40 NEG TO BREAKER TERM. T3
BAT. #20 NEG TO BREAKER TERM. T2
BAT. #10 POS TO BREAKER TERM. T1

+POS BREAKER OUTPUT TO +POS JC BUS
-NEG BREAKER OUTPUT TO -NEG JC BUS

BREAKER / CABLE CONNECTIONS

1/4-20 x 1" HEX BOLT, SST
1/4 FLAT WASHER, SST
LOAD WIRE FOR HARNESS MOUNTS HERE WHERE APPLICABLE
TERMINAL LUG
BATTERY TERMINAL

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


DETAIL 'A'
REF: SHEET 4

DETAIL 'B'
REF: SHEET 3

GROUND LOCATION
GROUND LOCATION

1/4 LOCK WASHER, SST
TAB WASHER FOR BATTERY MONITORING (OPTIONAL)

1/4-20 X 1" HEX BOLT, SST
1/4 FLAT WASHER, SST
LOAD WIRE FOR HARNESS MOUNTS HERE WHERE APPLICABLE
TERMINAL LUG
BATTERY TERMINAL

DETAIL 'C'

GROUND LOCATION
GROUND LOCATION

1/4 LOCK WASHER, SST
TAB WASHER FOR BATTERY MONITORING (OPTIONAL)

1/4-20 X 1" HEX BOLT, SST
1/4 FLAT WASHER, SST
LOAD WIRE FOR HARNESS MOUNTS HERE WHERE APPLICABLE
TERMINAL LUG
BATTERY TERMINAL

MEGAFLEX UPS BATTERY SKU
MGF1000-6-4A-ALT

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ADJACENT REMOTE TOP TERMINAL BATTERY CABINET SYSTEM

MEGAFLEX UPS BATTERY SKU
MGF1000-6-4A-ALT

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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).

Control Wiring Routing

See Detail A - Cable Harness
One harness per cabinet
Part # S002910 (typ)

Cable harness (S002910)
Inside cabinet provided with battery system

Terminal options only
Needed if required by UPS

Megaflex UPS Battery SKU
MGF1000-6-4A-ALT