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
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FRONT VIEW

TOP VIEW

BOTTOM VIEW

SIDE VIEW

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

BREAKER ACCESSIBLE THROUGH DOOR (TYP)

REMOVE BATTERY CABINET TOP TO ACCESS CABLE TRAY

MEGAFLEX UPS BATTERY SKU
MGF1600-8-4A-ALT

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DC POWER CABLES FROM CJC TO THE UPS PROVIDE 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.

POSITIONING OF COMPONENTS ARE FOR ILLUSTRATION PURPOSES AND MAY NOT BE REPRESENTED IN THE EXACT LOCATION INDICATED.

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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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GROUND BUS

FLAT BRAID STRAP

POSITIVE BUS

NEGATIVE BUS

*** 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.

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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

T3 NEG
T2
T1 POS

T6 NEG
T5
T4 POS

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

DASHED LINES INDICATE CUSTOMER PROVIDED CABLES

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

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

GROUND LOCATION
GROUND LOCATION
GROUND LOCATION (KNOCKOUT)

1.75" 6.25" 0.41"

DETAIL 'B'
REF. SHEET 3

INSERT-TYPE POST (DYNASTY)
UPS 12-600MRX
TORQUE TO 110 IN-LBS.


DETAIL 'A'
REF. SHEET 4

ATTENTION: GROUND WIRE AND CONNECTIONS TO BE SUPPLIED BY CUSTOMER. WIRE LENGTH AND SIZE DETERMINED BY CUSTOMER

DETAIL 'C'

CABINET
CABINET

3/8" x 1.25" #5 GRADE OR HIGHER HEX BOLT
LOCK WASHER
FLAT WASHER
WIRE LUG

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
MGF1600-8-4A-ALT

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REVISION DESCRIPTION

NO. DATE

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IP5-320D600-480-8-8D600-AR-JC
ADJACENT REMOTE TOP TERMINAL BATTERY CABINET SYSTEM

SYSTEM WEIGHT: 40, 180 lbs

IP5-320D600-480-8-8D600-AR-JC
DRAWING NO.

1800 MARKISON ROAD
DALLAS, TX 75238
PHONE: 214-348-7105
EMAIL: SALES@INTRAPACK.COM

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WWW.INTRAPACK.COM

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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

CABLE HARNESS (S002910) inside cabinet provided with battery system
One harness per cabinet
Part # S002910 (typ)
Cable harness (S002910) inside cabinet provided with battery system

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RESOLVED: 11/24/2019

Megaflex UPS Battery SKU
MGF1600-8-4A-ALT

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