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
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
CABINET G

ADJACENT REMOTE TOP TERMINAL BATTERY CABINET SYSTEM

MEGAFLEX UPS BATTERY SKU
MGD1600-7-49-ALT

SYSTEM WEIGHT: 42,355 lbs

JOB NO. N/A
QUOTE NO. IPC20-1036
DRAWN BY: VZ
APPR. BY:

SCHEDULE: N.T.S.

WEB: www.intrapack.com

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DALLAS, TX. 75238
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INTRAPOWER 2021-02-01
DRAWN BY: VZ
APPR. BY: N/A
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.

Caution: High voltage, risk of electrical shock
- Follow all safety precautions when working on this system
- Always wear proper safety equipment including eye protection

Electrical Illustration

- 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.
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

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

SEE BREAKER INFORMATION DATA SHEET FOR PROPER TORQUE AND WIRE SIZE

BREAKER / CABLE CONNECTIONS

BAT. #40 NEG TO BREAKER TERM. T3
BAT. #20 NEG TO BREAKER TERM. T2
BAT. #1 POS TO BREAKER TERM. T1

T1 POS
T2
T3 NEG

T4 POS
T5
T6 NEG

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

CABINET
CABINET

GROUNDED LOCATION
GROUNDED LOCATION
GROUNDED LOCATION (KNOCKOUT)

DETAIL 'A'
REF: SHEET 4

DETAIL 'B'
REF: SHEET 3

DETAIL 'C'

1/4 LOCK WASHER, SST
1/4 FLAT WASHER, SST
LOAD WIRE FOR HARRNESS MOUNTS HERE WHERE APPLICABLE
TAB WASHER FOR BATTERY MONITORING (OPTIONAL)
TERMINAL LUG
BATTERY TERMINAL

1/4-20 x 1" HEX BOLT, SST
1/4 LOCK WASHER, SST
1/4 FLAT WASHER, SST
LOAD WIRE FOR HARRNESS MOUNTS HERE WHERE APPLICABLE
TAB WASHER FOR BATTERY MONITORING (OPTIONAL)
TERMINAL LUG
BATTERY TERMINAL

CABINET
CABINET

GROUNDED LOCATION
GROUNDED LOCATION
GROUNDED LOCATION (KNOCKOUT)

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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 are provided in both the battery cabinet to battery cabinet connection including the battery cabinet cable harness to the UPS.

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.

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

RECOMMEND Belden wire harness part number B-5302FE-8-U1000.

CONTROL WIRING ROUTING:

#18 AWG LUG, RING

N.C.

COMMON

N.O.

- 48 VDC SHUNT

+ 48 VDC SHUNT

#6-40 PAN HEAD SCREW

JUMPER (2 TERMINALS)

#18 AWG LUG, RING

BLACK

WHITE

GREEN

RED

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

TERMINALS OPTIONAL. ONLY NEEDED IF REQUIRED BY UPS.

RECOMMEND Belden wire harness part number B-5302FE-8-U1000.

CONTROL WIRE CABLE HARNESS

CABLE HARNESS (S002910) INSIDE CABINET PROVIDED WITH BATTERY SYSTEM

CABLE AND CONNECTIONS FROM LAST BATTERY CABINET TO THE UPS PROVIDED BY THE INSTALLING CONTRACTOR.

SYSTEM WEIGHT: 42,355 lbs

ADJACENT REMOTE TOP TERMINAL BATTERY CABINET SYSTEM

ABB MEGAFLEX UPS BATTERY SKU

MCD1600-7-49-ALT

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