**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. THE BATTERY CABINETS CAN BE BOLTED TOGETHER. REFER TO PAGE 3 FOR PROPER LINE UP.**

3. **ROUTE THE POWER CABLES AS SHOWN ON SHEET 4.**

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 INTENSITY 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:**

- SPREAD FORKS AS WIDE AS POSSIBLE WHEN LIFTING CABINETS.
- TILT FORKS BACK WHEN MOVING THE CABINET TO HELP STABILIZE THE CENTER OF GRAVITY.

**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

FRONT VIEW

BOTTOM VIEW

TOP VIEW

SIDE VIEW

CABINET A
CABINET B
CABINET C
CABINET D
CABINET E
CABINET F

CABINET E BREAKER ACCESSIBLE THROUGH THE DOOR (TYP)

CABINET D 44.88" 32.49" 20.00"

CABINET C 82.00" 38.17"

CABINET B 9" 44.88" 32.49" 25.50" 20.00" 3.68"

CABINET A 6.813" Ø.813"

MEGAFLEX UPS BATTERY SKU MGG1500-6-58-ALT

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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.

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

Positioning of components are for illustration purposes and may not be represented in the exact location indicated.

Connections.
Ensure proper polarity before making final check DC voltage at battery output and UPS output.

Open disconnects before installation or maintenance.

All tools should be insulated to prevent electrical shock.
Always wear proper safety equipment including eye protection.

Adjoining remote front terminal battery cabinet system.

The exact location indicated.

DC power cables from JC 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.
DASHED LINES INDICATE CUSTOMER PROVIDED CABLES

BREAKER / CABLE CONNECTIONS

SEE BREAKER INFORMATION DATA SHEET FOR PROPER TORQUE AND WIRE SIZE

BREAKER #30 NEG TO BREAKER TERM. T3

BAT. #16 POS TO BREAKER TERM. T2

BAT. #1 POS TO BREAKER TERM. T1

BAT. #15 NEG TO BREAKER TERM. T2

BAT. #30 NEG TO BREAKER TERM. T3

POS BREAKER OUTPUT TO +POS JC BUS

-NEG BREAKER OUTPUT TO -NEG JC BUS

MANUFACTURERS WEB SITE:

EXTERNAL-TYPE POST (ENERSYS) 16VDC

ENERGY'S HG90, HG90,
TO TORQUE TO 100 IN-LBS.

MANUFACTURERS WEB SITE:

DETAIL 'A'

TAB WASHER
FLAT WASHER, SST
LOCK WASHER, SST
HEX NUT, SST

BUSS BAR DETAIL 'A'

REF. SHEET 4

BUSS BAR DETAIL 'B'

TAB WASHER
FLAT WASHER, SST
LOCK WASHER, SST
HEX NUT, SST

REF. SHEET 4

BUSS BAR
1/4-20 1.00" HEX BOLT, SST TORQUE TO 80 IN-LBS
FLAT WASHER, SST
WIRE LUG

BUSS BAR DETAIL 'C'

LOCK WASHER, SST
TAB WASHER, SST
FLAT WASHER, SST
HEX NUT, SST

MANUFACTURERS WEB SITE:

DETAIL 'A'

TAB WASHER TERMINAL FOR MONITOR HARNESS (OPTIONAL)

TAB WASHER TERMINAL FOR BATTERY INTERCONNECT WHERE APPLICABLE

M8 FLAT WASHER, SST
M8 LOCK WASHER, SST
M8 HEX NUT, SST

CABINET DETAIL 'E'

GROUNDED LOCATION
GROUNDED LOCATION

DETAIL 'E'

REF SHEET 3

1/4-20 1.00" HEX BOLT, SST TORQUE TO 80 IN-LBS
FLAT WASHER, SST
WIRE LUG

CABINET DETAIL 'F'

LOCK WASHER, SST
TAB WASHER, SST
FLAT WASHER, SST
HEX NUT, SST

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IP8F16-180H925-480-6-6D600-AR-JC

BATTERY CABINET SYSTEM

ADJACENT REMOTE FRONT TERMINAL

SYSTEM WEIGHT: 50,340 lbs

ADJACENT REMOTE FRONT TERMINAL

NO. DATE REVISION DESCRIPTION

NO. DATE REVISION DESCRIPTION

5

5
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 the onsite installation contractor (typical).