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"
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

BOTTOM VIEW

SIDE VIEW

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

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

BREAKER ACCESSIBLE THROUGH DOOR (TYP)

REMOVE BATTERY CABINET TOP TO ACCESS CABLE TRAY

MEGAFLEX UPS BATTERY SKU
MGD1500-6-49-ALT

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ONLY QUALIFIED TECHNICIANS SHOULD PERFORM INSTALLATION OR MAINTENANCE OF THIS BATTERY SYSTEM.

ALL TOOLS SHOULD BE INSULATED TO PREVENT ELECTRICAL SHOCK.

OPEN DISCONNECTS BEFORE INSTALLATION OR MAINTENANCE.

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.

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MEGAFLEX UPS BATTERY SKU
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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.

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

ELECTRICAL ILLUSTRATION
CAUTION: HIGH VOLTAGE, RISK OF ELECTRICAL SHOCK

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

SEE BREAKER INFORMATION DATA SHEET FOR PROPER TORQUE AND WIRE SIZE

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

INSERT-TYPE POST (DYNASTY)
UPS12-305PLP, UPS12-355PLP, UPS12-405PLP,
UPS12-455PLP, UPS12-545PLP, UPS6-605PLP
TORQUE TO 110 IN-LBS.

MANUFACTURERS WEB SITE: https://alpinepowersystems.com/backup-power-products/backup-batteries/ups-batteries/c-d-pure-lead-plus/

DETAIL ‘A’
REF: SHEET 4

DETAIL ‘B’
REF: SHEET 3

DETAIL ‘C’

GROUND LOCATION
GROUND LOCATION

1.75"
6.26"
8.41"

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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 provided with battery system

Cable and connections from last battery cabinet to the UPS provided by the installing contractor.

Cable and connections from last battery cabinet to the UPS provided by the installing contractor.

Detail A - control wiring detail

48 VDC shunt trip and 2A/2B auxiliary contacts

Control wire harness

Recommended Belkin wire harness part number B-5302FE-8-U1000

IntraPack

IP5-240P545-480-6-6D600-AR-JC

MEGAFLEX UPS BATTERY SKU
MGD1500-6-49-ALT

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