**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:**
- 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 & CJC
CABINET D
CABINET E
CABINET F

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CAUTION: HIGH VOLTAGE, RISK OF ELECTRICAL SHOCK

- FOLLOW ALL SAFETY PRECAUTIONS WHEN WORKING ON THIS SYSTEM
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FRONT VIEW

TOP VIEW

BOTTOM VIEW

SIDE VIEW

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

TOP TO ACCESS CABLE TRAY
BREAKER ACCESSIBLE THROUGH DOOR (TYP)
REMOVE BATTERY CABINET

CABINET A
30.91"

CABINET B
248.20"

CABINET C
24.00"

CABINET D
37,790 lbs

CABINET E
30.91"

CABINET F
82.00"

MEGAFLEX UPS BATTERY SKU
MGD1200-6-49-ALT

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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.

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.

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.

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

DASHED LINES INDICATE CUSTOMER PROVIDED CABLES

SEE BREAKER INFORMATION DATA SHEET FOR PROPER TORQUE AND WIRE SIZE

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

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 T5 T6 NEG T4 POS

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

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

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

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

GROUNDCOMPARTMENT (KNOCKOUT)

DETAIL 'A'
REF. SHEET 4

DETAIL 'B'
REF. SHEET 3

GROUNDCOMPARTMENT (KNOCKOUT)

DETAIL 'C'

UP12-305PLP, 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/c-d-pure-lead-plus/

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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).

TERMINALS OPTIONAL. ONLY NEEDED IF REQUIRED BY UPS

RECOMMEND BELDEN WIRE HARNESS PART NUMBER B-5302FE-8-U1000

CONTROL WIRING ROUTING

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

SYSTEM WEIGHT: 37,790 lbs

MEGAFLEX UPS BATTERY SKU
MGD1200-6-49-ALT