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.
- Caution: high voltage, risk of electrical shock.

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 SHOULD BE BOLTED TOGETHER. 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: MOVING A BATTERY CABINET

- Do not lift the cabinet higher than necessary to clear the floor when moving.
- Spread forks as wide as possible when lifting cabinets.

HIGH CENTER OF GRAVITY - USE CAUTION WHEN MOVING CABINET

- Move slowly when handling. Avoid bouncing the cabinet while moving. The cabinet could fall forward or sideways if handled roughly.
- Cabinet systems are heavy and could weigh as much as 9,000 lbs per cabinet or more.

NOTE:
FROM FLOOR TO CABINET LIFTING POINT IS 3.691"
CAUTION: HIGH VOLTAGE, RISK OF ELECTRICAL SHOCK

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

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

*ISOMETRIC BATTERY CABINET VIEW*
**CAUTION: HIGH VOLTAGE, RISK OF ELECTRICAL SHOCK**

- Follow all safety precautions when working on this system.
- Always wear proper safety equipment including eye protection.

**POSITIONING OF COMPONENTS**

- Are for illustration purposes and may not be represented in the exact location indicated.

**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.

**THERMOSTAT WIRING UPDATE SEE SHEET 6**

- Connections.
- Ensure proper polarity before making final check. DC voltage at battery output and UPS output to open disconnects before installation or maintenance.

- Always wear proper safety equipment including eye protection.

**ELECTRICAL ILLUSTRATION**

- Braided strap buss bars can be shipped connected or disconnected.
- Solid copper buss bars are shipped disconnected only.

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**NOMINAL WEIGHTS:**

- Terminal Block to UPS provided by others.
- Terminal Block to UPS control wiring will be 16-20 ga stranded, provided by others.

**DRAWING NO.**

- 06/23/2020 THERMOSTAT WIRING UPDATE SEE SHEET 6
- N/A DRAWN BY: SM
- IPC20-1025 DRAWN BY: SM
- N.T.S. APPR. BY: SM
- IPSF1K-28D10F-480-7-7D600-JR-JC
- 06/23/2020

**TERMINAL BLOCK TO TERMINAL BLOCK AND TERMINAL BLOCK TO UPS TERMINAL Block WILL BE 16-20 GA STRANDED, PROVIDED BY OTHERS.**

**SYSTEM WEIGHT:** 58,380 lbs
TAB WASHER TERMINAL FOR MONITOR HARNESS. WHERE APPLICABLE BATTERY INTERCONNECT SEPARATE FROM TERMINAL BATTERY TERMINAL

TAB WASHER FOR BATTERY MONITORING (OPTIONAL)

M8 HEX NUT, SST
M8 LOCK WASHER, SST
M8 FLAT WASHER, SST
TAB WASHER FOR BATTERY MONITORING (OPTIONAL)

M8 x 1.25" #5 GRADE OR HIGHER HEX BOLT
LOCK WASHER
FLAT WASHER
WIRE LUG
NUT

CABINET

INTRA Pack
01/29/2021
DRAWN BY: SM DATE: APPR. BY: N.T.S.

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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
CONTROL WIRING ROUTING

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).

#6-40 PAN HEAD SCREW
#18 AWG LUG, RING
JUMPER (2 TERMINALS)

#18 AWG LUG, RING
#18 AWG CU LEADS (TYPICAL)

CONTROL WIRE CABLE HARNESS

48 VDC UNDERVOLTAGE TRIP AND 2A/2B AUXILIARY CONTACTS

DETAIL A - CONTROL WIRING DETAIL

48 VDC UNDervoltage Trip and 2A/2B Auxiliary Contacts

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

TO UPS

CABLE HARNESS (5002815) INSIDE CABINET PROVIDED WITH BATTERY SYSTEM

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

NOTE

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

TERMINALS OPTIONAL, ONLY NEEDED IF REQUIRED BY UPS

SEE DETAIL A - CABLE HARNESS ONE HARNESS PER CABINET PART # 5002815 (TYP)

PRE-ASSEMBLED SIDE FROM CIRCUIT BREAKER

SYSTEM WEIGHT: 58,380 lbs

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