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 INSTALLATION 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.


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 3.691".
SPREAD FORKS AS WIDE AS POSSIBLE WHEN LIFTING CABINETS.

CAUTION: MOVING A BATTERY CABINET DO NOT LIFT THE CABINET HIGHER THAN NECESSARY TO CLEAR THE FLOOR WHEN MOVING

TILT FORKS BACK WHEN MOVING THE CABINET TO HELP STABILIZE THE CENTER OF GRAVITY.
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 & JC
CABINET C
CABINET D
CABINET E

ADJACENT REMOTE FRONT TERMINAL CENTER JUNCTION BATTERY CABINET SYSTEM

MEGAFLEX UPS BATTERY SKU
MGG1100-5-58-ALT

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IP8F16-150H025-480-5-SD60-JR-JC

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INTRA Pack
19550 MARKISON ROAD
DALLAS, TX. 75238
PHONE: 214-348-7105
EMAIL: SALES@INTRAPACK.COM

SYSTEM WEIGHT: 42,000 lbs

JOB NO. DATE: QuOte NO. DRAWN BY: APPR. BY:
N/A 01/20/2021 IPC20-1018 VZ

SCALE: N.T.S.

DATE:
20/02/2021

REVISION DESCRIPTION

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1 OF
6
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  JC  CABINET C  CABINET D  CABINET E

REMOVE BATTERY CABINET TOP TO ACCESS CABLE TRAY

BREAKER ACCESSIBLE THROUGH THE DOOR (TYP)

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DASHED LINES INDICATE CUSTOMER PROVIDED CABLES

-NEG BREAKER OUTPUT TO -NEG JC BUS

SEE BREAKER INFORMATION DATA SHEET FOR PROPER TORQUE AND WIRE SIZE

BREAKER / CABLE CONNECTIONS

BAT. #30 NEG TO BREAKER TERM. T3
BAT. #15 NEG TO BREAKER TERM. T2
BAT. #1 POS TO BREAKER TERM. T1

+POS BREAKER OUTPUT TO +POS JC BUS

DESCRIPTION (BREAKER OUTPUT TO BREAKER CONNECTIONS)

ENTRY VIEW

ENTRY VIEW

BUSS BAR DETAIL 'A'

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

FLAT WASHER, SST WIRE LUG

BUSS BAR

TAB WASHER FOR BATTERY TERMINAL MONITORING (OPTIONAL)

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

TAB WASHER TERMINAL FOR MONITOR HARNESS WHERE APPLICABLE

BATTERY TERMINAL

INTERNAL-TYPE POST (ENERSYS) 16VDC
ENERSYS H800, H925, TORQUE TO 100 IN-LBS.

MANUFACTURERS WEB SITE:

DETAIL 'B'

BUSS BAR DETAIL 'B'

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

FLAT WASHER, SST WIRE LUG

BUSS BAR

TAB WASHER FOR BATTERY TERMINAL MONITORING (OPTIONAL)

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

TAB WASHER TERMINAL FOR MONITOR HARNESS WHERE APPLICABLE

BATTERY TERMINAL

INTERNAL-TYPE POST (ENERSYS) 16VDC
ENERSYS H800, H925, TORQUE TO 100 IN-LBS.

MANUFACTURERS WEB SITE:

DETAIL 'C'

BUSS BAR DETAIL 'C'

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

FLAT WASHER, SST WIRE LUG

BUSS BAR

TAB WASHER FOR BATTERY TERMINAL MONITORING (OPTIONAL)

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

TAB WASHER TERMINAL FOR MONITOR HARNESS WHERE APPLICABLE

BATTERY TERMINAL

INTERNAL-TYPE POST (ENERSYS) 16VDC
ENERSYS H800, H925, TORQUE TO 100 IN-LBS.

MANUFACTURERS WEB SITE:

DETAIL 'D'

BUSS BAR DETAIL 'D'

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

FLAT WASHER, SST WIRE LUG

BUSS BAR

TAB WASHER FOR BATTERY TERMINAL MONITORING (OPTIONAL)

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

TAB WASHER TERMINAL FOR MONITOR HARNESS WHERE APPLICABLE

BATTERY TERMINAL

INTERNAL-TYPE POST (ENERSYS) 16VDC
ENERSYS H800, H925, TORQUE TO 100 IN-LBS.

MANUFACTURERS WEB SITE:

DETAIL 'E'

BUSS BAR DETAIL 'E'

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

FLAT WASHER, SST WIRE LUG

BUSS BAR

TAB WASHER FOR BATTERY TERMINAL MONITORING (OPTIONAL)

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

TAB WASHER TERMINAL FOR MONITOR HARNESS WHERE APPLICABLE

BATTERY TERMINAL

INTERNAL-TYPE POST (ENERSYS) 16VDC
ENERSYS H800, H925, TORQUE TO 100 IN-LBS.

MANUFACTURERS WEB SITE:

DETAIL 'F'

BUSS BAR DETAIL 'F'

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

FLAT WASHER, SST WIRE LUG

BUSS BAR

TAB WASHER FOR BATTERY TERMINAL MONITORING (OPTIONAL)

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

TAB WASHER TERMINAL FOR MONITOR HARNESS WHERE APPLICABLE

BATTERY TERMINAL

INTERNAL-TYPE POST (ENERSYS) 16VDC
ENERSYS H800, H925, TORQUE TO 100 IN-LBS.

MANUFACTURERS WEB SITE:

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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.

CONTROL WIRING ROUTING

NOTE

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

RECOMMEND Belden wire harness part number B-S302FE-8-U1000

TERMINALS OPTIONAL. ONLY NEEDED IF REQUIRED BY UPS

DETAIL A
CONTROL WIRING DETAIL
48 VDC SHUNT TRIP
AND 2A/2B AUXILIARY CONTACTS

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

SYSTEM WEIGHT: 42,000 lbs

JOB NO. N/A DATE: 01/02/2021
QUOTE NO. IPC20-1018 DRAWN BY: VZ
DRAWING NO. IPSF16-150H025-480-5-5D600-AR-JC

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