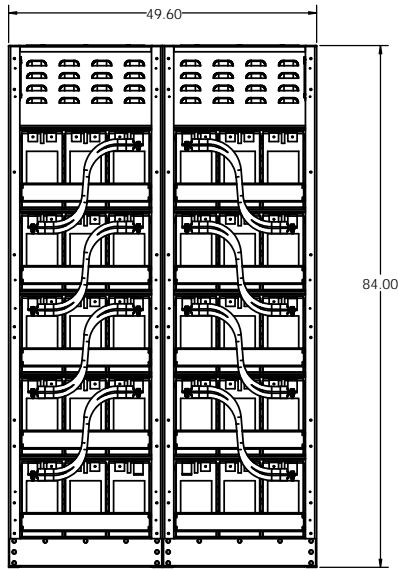
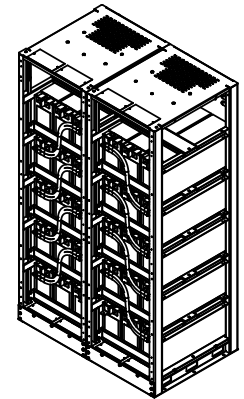
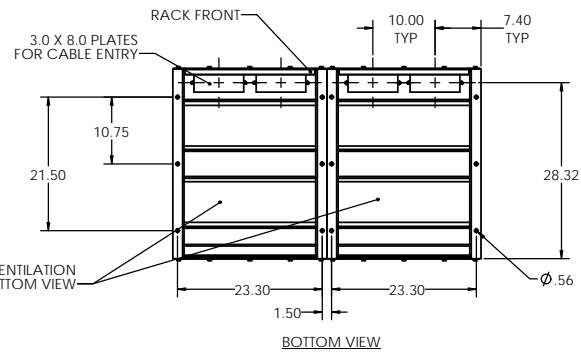
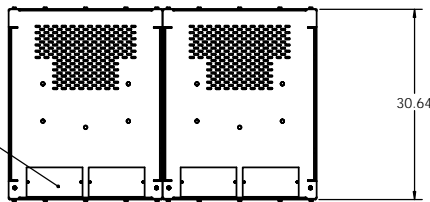
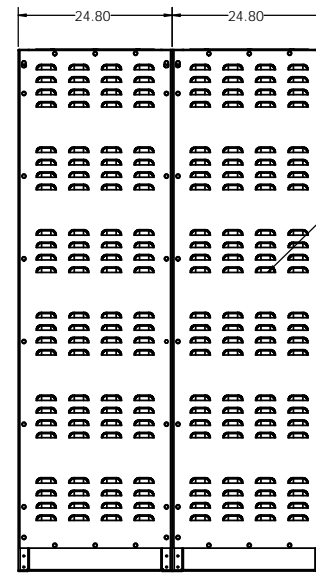


3.0 X 8.0 PLATES FOR CABLE ENTRY



FRONT VIEW



REAR VIEW

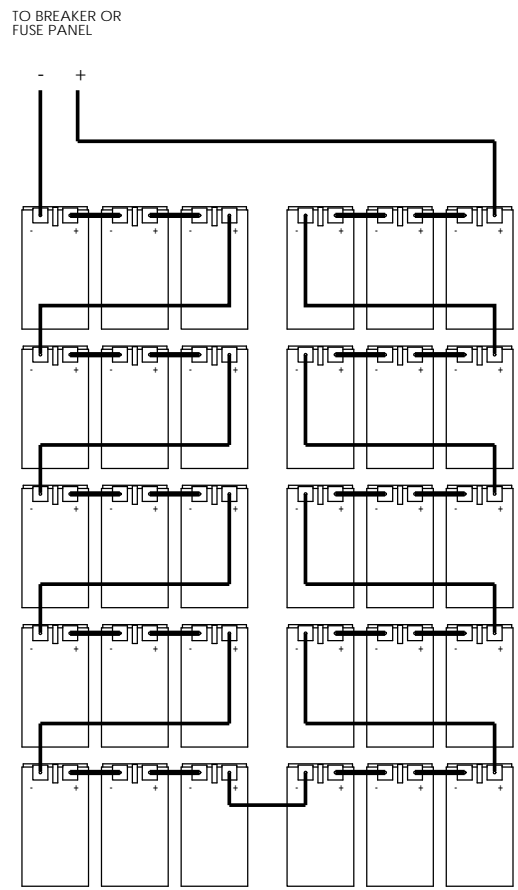
VENTILATION LOUVERS

RACK NOTES:

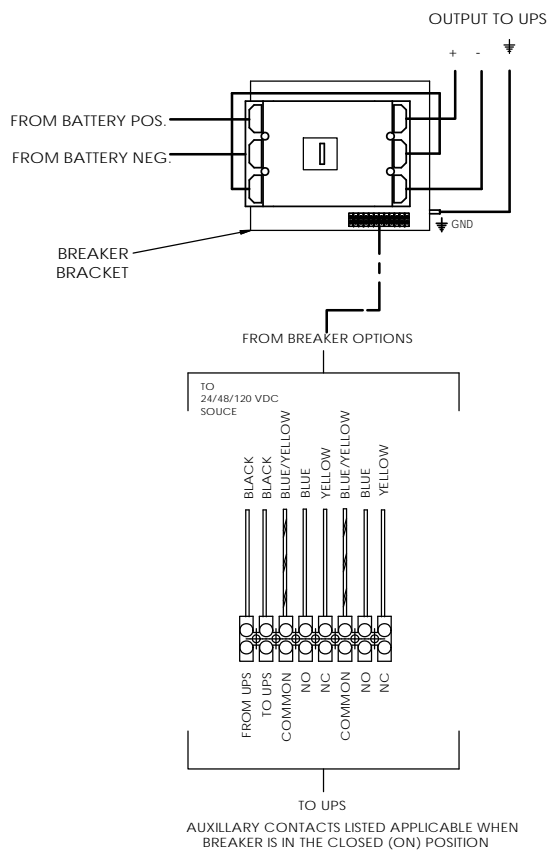
1. EMPTY RACK WEIGHT: 720 LBS. TOTAL WEIGHT (2 RACKS) ONE 480V STRING.
2. FULLY WELDED FRAME - MANUFACTURED FROM HEAVY GAUGE STEEL.
3. POWDER COATED WITH A CORROSION RESISTANT, EPOXY HYBRID POWDER USING A FIVE STAGE EMERSON PRETREATMENT PROCESS.
4. BATTERIES CAN BE ACCESSED FROM FRONT, REAR, AND BOTH SIDES.
5. CUSTOM DESIGNED PALLETS FOR SHIPPING ANYWHERE, LOCALLY AND GLOBALLY (UPON REQUEST).
6. BATTERY RACK CAN BE MOVED WITH A NORMAL PALLET JACK FROM FRONT AND REAR.
7. STANDARD AND CUSTOM SPILL CONTAINMENT OPTIONS ARE AVAILABLE.

PROPRIETARY AND CONFIDENTIAL
 SEE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF
 ELECTRONIC SYSTEMS SUPPORT, AND
 NO PORTION OF THIS DRAWING IS TO BE
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 WITHOUT THE WRITTEN PERMISSION OF
 ELECTRONIC SYSTEMS SUPPORT IS
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| | | | | | |
|----------------------------|-------------------|---------------------------|-------------------|--|---------------------|
| UNLESS OTHERWISE SPECIFIED | | ELECTRONIC SYSTEM SUPPORT | | 3233 W. Kingsley Rd. Ste. 200 Garland, Texas 75041 888-475-9292 www.ess.io PH: 972-279-2444 FAX: 972-279-2444 | |
| DESIGNER: [Signature] | DATE: 12-13 | ISSUED BY: [Signature] | DATE: 12-13 | TITLE: BATTERY RACK, 16V FT, 480V, 5 TIER, TOP BRKR. | |
| PROJECT: [Signature] | DATE: [Signature] | ISSUED BY: [Signature] | DATE: [Signature] | SIZE: D | DWG. NO: EFR5A-SPEC |
| REV: [Signature] | DATE: [Signature] | ISSUED BY: [Signature] | DATE: [Signature] | SCALE: 1:16 | WEIGHT: A |
| USED ON: [Signature] | DATE: [Signature] | ISSUED BY: [Signature] | DATE: [Signature] | SCALE: 1:16 | WEIGHT: A |

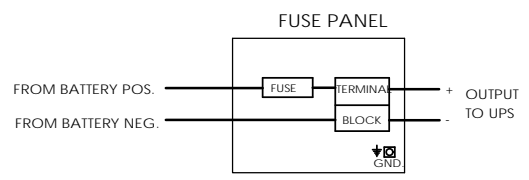


BREAKER DETAIL



AUXILIARY CONTACTS LISTED APPLICABLE WHEN BREAKER IS IN THE CLOSED (ON) POSITION

FUSE OPTION



ELECTRICAL NOTES:

1. ALL CABLES ARE UL LISTED.
2. ALL BREAKERS ARE UL RECOGNIZED.
3. ALL FUSES ARE UL RECOGNIZED, TYPE A50P, A70P OR EQUIVALENT. ALWAYS REPLACE WITH SAME TYPE OR ITS EQUIVALENT.
4. TERMINAL BLOCKS ARE UL RECOGNIZED, 600V RATED.
5. RACKS ARE SHIPPED WITH THE BREAKER IN THE TRIPPED POSITION.
6. RACK GROUND CONNECTION IS A 5/16-18 THREADED STUD.
7. CABLES BETWEEN BATTERY RACK TO UNINTERRUPTIBLE POWER SUPPLY ARE OPTIONAL.

| BATTERY RACK PART NUMBER GUIDE | | | |
|--------------------------------|---|------------------|--|
| RACK PART NUMBER | | DESCRIPTION | |
| EFR5A | A | A | |
| | | BASE PART NUMBER | |
| | | RACK HEIGHT | |
| | | RACK COLOR | |

| BATTERY CONFIGURATION TABLE | | |
|-----------------------------|----------------------------|--------------------------------------|
| BATTERY MANUFACTURER | ENERSYS | MAXIMUM NUMBER OF BATTERIES PER RACK |
| BATTERY MODEL NUMBER | 16HX800F-FR 16HX925F-FR | 30 |

| HEIGHT LEGEND | |
|-----------------|--------------|
| HEIGHT (INCHES) | AVAILABILITY |
| **A = 84.00 | IN STOCK |
| B = 82.00 | N/A |
| C = 80.00 | N/A |
| D = 79.0 | N/A |
| E = 78.7 | N/A |
| F = 78.4 | N/A |
| G = 78.0 | N/A |
| H = 77.3 | N/A |
| J = 76.8 | N/A |
| K = 75.3 | N/A |
| L = 75.0 | N/A |
| M = 74.8 | N/A |
| N = 73.5 | N/A |
| P = 72.0 | N/A |
| Q = 71.7 | N/A |
| R = 70.9 | N/A |
| S = TBD | N/A |
| T = TBD | N/A |

** 84.0 IS THE STANDARD HEIGHT FOR THE EFR5A RACKS. SHORTER HEIGHTS ARE NOT AVAILABLE** PLEASE CONSULT WITH SALES STAFF FOR FURTHER INFO.

| COLOR LEGEND | |
|----------------------|--|
| **A = BLACK | |
| B = BEIGE | |
| C = LIEBERT GRAY | |
| D = MITSUBISHI BEIGE | |
| E = MGE WHITE | |
| F = TOSHIBA BLACK | |
| G = GE WHITE | |
| H = LIEBERT BLACK | |
| J = EATON BLACK | |
| K = TBD | |

BLACK IS ESS STANDARD COLOR AND WILL BE IN STOCK
LETTERS STATING "TBD" ARE OPEN FOR CUSTOM COLORS NOT LISTED. PLEASE CONSULT WITH SALES STAFF FOR FURTHER INFO.

PART NUMBER GUIDE:

1. REFERENCE THE BATTERY PART NUMBER GUIDE TABLE WHEN ORDERING A RACK.
2. THE BASE NUMBER WILL ALWAYS BE THE SAME. HOWEVER, 2 ALPHA DIGITS WILL FOLLOW THE BASE NUMBER INDICATING THE HEIGHT AND COLOR OF THE RACK.
3. REFERENCE THE "HEIGHT LEGEND" TABLE AND THE "COLOR LEGEND" TABLE IN ORDER TO DETERMINE THE 2 ALPHA DIGITS NEEDED TO COMPLETE YOUR ORDER.
4. EXAMPLE - EFR5AAA - THIS REPRESENTS A STANDARD EFR5A RACK, 84.0 INCH HEIGHT WITH A POWDER COAT FINISH OF STANDARD BLACK.
5. THE EFR5A RACK IS NOT AVAILABLE IN OTHER HEIGHTS OTHER THAN 84.0 INCHES.

| | | | | | |
|---|------------|---|-------|---|---|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES (FRACTIONS) | | ESS ELECTRONIC SYSTEM SUPPORT 888-475-9292 www.ess.io | | 3233 W. Kingsley Rd. Ste. 300 Carrollton, Texas 75041 Ph. 972-272-2448 Fax 972-275-9844 | |
| PROPRIETARY AND CONFIDENTIAL | SEE NOTE 1 | DATE | 12-13 | TITLE | BATTERY RACK, 16V FT. 480V, 5 TIER, TOP BRKR. |
| USED ON | SEE NOTE 2 | REV | | SIZE | D |
| | | SCALE | 1:16 | WEIGHT | A |
| | | | | | REV 2 OF 2 |