

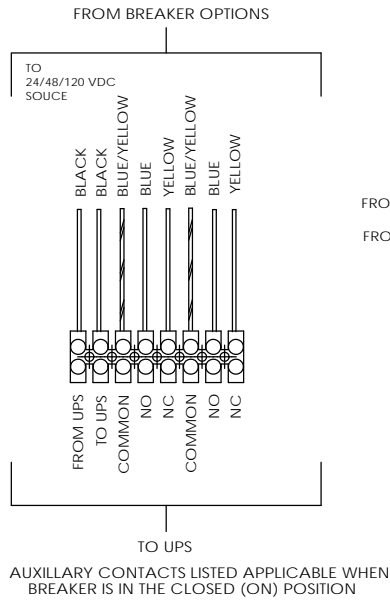
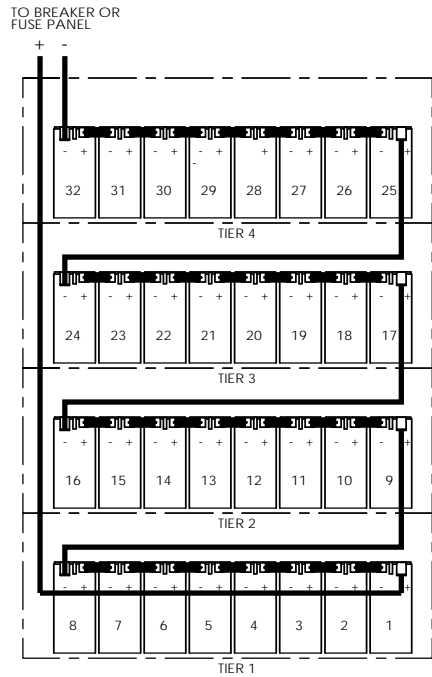
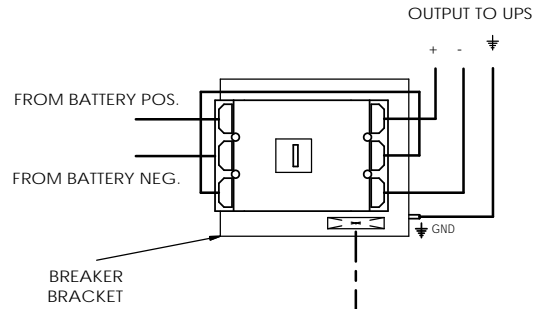
**CABINET NOTES:**

1. NEMA 1 DESIGN
2. EMPTY CABINET WEIGHT: 680 LBS. (309 KG)
3. UL 1778 LISTED AND FULLY TESTED AT THE FACTORY PRIOR TO SHIPPING.
4. FULLY WELDED FRAME. MANUFACTURED FROM HEAVY GAUGE STEEL
5. POWDER COATED WITH A CORROSION RESISTANT, EPOXY HYBRID POWDER USING A FIVE STAGE EMERSION PRETREATMENT PROCESS.
6. BATTERIES CAN BE ACCESSED FROM FRONT, REAR, AND BOTH SIDES.
7. CUSTOM DESIGNED PALLETS FOR SHIPPING ANYWHERE LOCALLY AND GLOBALLY (UPON REQUEST).
8. BATTERY CABINET CAN BE MOVED WITH A NORMAL PALLET JACK FROM FRONT AND REAR.
9. STANDARD AND CUSTOM SPILL CONTAINMENT OPTIONS ARE AVAILABLE.

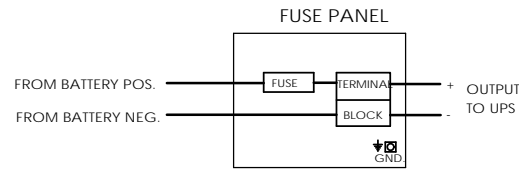
UNLESS OTHERWISE SPECIFIED		ELECTRONIC SYSTEM SUPPORT		3233 W. Kingsley Rd. Ste. 200 Cedarburg, Wis 53001 PH: 972-372-2444 FAX: 972-276-1844	
ALL DIMENSIONS ARE IN INCHES DIMENSIONS IN PARENTHESIS ARE IN MILLIMETERS	ANGLES: MATCH D. DIM: #1 TWO PLACE DECIMAL #2 THREE PLACE DECIMAL #3	DATE: 12-12-12	TITLE: BATTERY CABINET, 12V, 384V, 4 TIER, TOP BRKR.	SIZE: DWG. NO. D	REV: EFC42-SPEC B
PRODUCTION: SEE NOTE 1	DESIGNED BY: MGC/ARL	CHECKED BY: MGC/ARL	SCALE: 1:12	WEIGHT: 680 LBS.	SHEET 1 OF 2
USED ON: _____	SEE NOTE 2	DATE: _____	SCALE: 1:12	WEIGHT: _____	SHEET 1 OF 2
DO NOT SCALE DRAWING		SCALE: 1:12		SCALE: 1:12	

PROPRIETARY AND CONFIDENTIAL  
SEE INFORMATION CONTAINED IN THIS DRAWING FOR THE DATE OF THE REVISIONS.  
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### BREAKER DETAIL



### FUSE OPTION



BATTERY CABINET PART NUMBER GUIDE		
CABINET PART NUMBER		DESCRIPTION
EFC42	P A	BASE PART NUMBER
		CABINET HEIGHT
		CABINET COLOR

BATTERY MODEL NUMBER	BATTERY MANUFACTURER			MAXIMUM NUMBER OF BATTERIES PER CABINET
	EAST PENN	C & D	FIAMM	
HR3500ET	UPS 12-355MFR			32
HR5500ET	UPS 12-615MRF		12FLX700F	
	UPS 12-700MRF			

HEIGHT LEGEND	
HEIGHT (INCHES)	AVAILABILITY
A = 84.00	N/A
B = 82.00	N/A
C = 80.00	4-6 WEEKS
D = 79.0	4-6 WEEKS
E = 78.7	4-6 WEEKS
F = 78.4	4-6 WEEKS
G = 78.0	4-6 WEEKS
H = 77.3	4-6 WEEKS
J = 76.8	4-6 WEEKS
K = 75.3	4-6 WEEKS
L = 75.0	4-6 WEEKS
M = 74.8	4-6 WEEKS
N = 73.5	4-6 WEEKS
**P = 72.0	IN STOCK
Q = 71.7	4-6 WEEKS
R = 70.9	4-6 WEEKS
S = TBD	N/A
T = TBD	N/A

\*\* 72.0 IS THE STANDARD HEIGHT FOR THE EFC42 CABINETS. 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 STARTING "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 CABINET.
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 CABINET.
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: EFC42PA - THIS REPRESENTS A STANDARD EFC42 CABINET, 72.0 INCH HEIGHT WITH A POWDER COAT FINISH OF STANDARD BLACK.
5. THE EFC42 CABINET IS NOT AVAILABLE IN OTHER HEIGHTS OTHER THAN 72.0 INCHES.

### 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. (FUSED CABINETS ARE NOT LISTED IN UL FILE). ALWAYS REPLACE WITH SAME TYPE OR ITS EQUIVALENT.
4. TERMINAL BLOCKS ARE UL RECOGNIZED, 600V RATED.
5. CABINETS ARE SHIPPED WITH THE BREAKER IN THE TRIPPED POSITION.
6. CABINET GROUND CONNECTION IS A 5/16-18 THREADED STUD.
7. CABLES BETWEEN BATTERY CABINET TO UNINTERRUPTIBLE POWER SUPPLY ARE OPTIONAL.

<small>PROPRIETARY AND CONFIDENTIAL</small> <small>SEE INFORMATION CONTAINED IN THIS DRAWING FOR THE DATE OF REVISION OR FOR ELECTRONIC SYSTEMS SUPPORT. ANY CHANGES TO THIS DRAWING MUST BE APPROVED BY ELECTRONIC SYSTEMS SUPPORT.</small>	<small>UNLESS OTHERWISE SPECIFIED:</small> <small>ALL DIMENSIONS ARE IN INCHES</small> <small>FRACTIONS: 1/8" MIN. 3/16" MIN. 1/4" MIN. 3/8" MIN. 1/2" MIN. 3/4" MIN. 1" MIN.</small> <small>DECIMALS: 0.0005" MIN. 0.001" MIN. 0.002" MIN. 0.005" MIN. 0.010" MIN. 0.020" MIN. 0.050" MIN. 0.100" MIN. 0.200" MIN. 0.500" MIN. 1.000" MIN.</small>	<small>ESS ELECTRONIC SYSTEMS SUPPORT</small> <small>888-475-9292 www.ess.io</small>	<small>2233 W. Kingsley Rd.</small> <small>Ste. 200</small> <small>Garland, Texas 75041</small> <small>PH: 972-272-2448</small> <small>FAX: 972-272-2644</small>
	<small>DATE</small> <small>ISSUED</small> <small>REVISED</small> <small>BY</small> <small>APP'D</small> <small>SCALE: 1:12</small>	<small>DATE</small> <small>ISSUED</small> <small>REVISED</small> <small>BY</small> <small>APP'D</small> <small>SCALE: 1:12</small>	<small>TITLE</small> BATTERY CABINET, 12V, 384V, 4 TIER, TOP BREAK