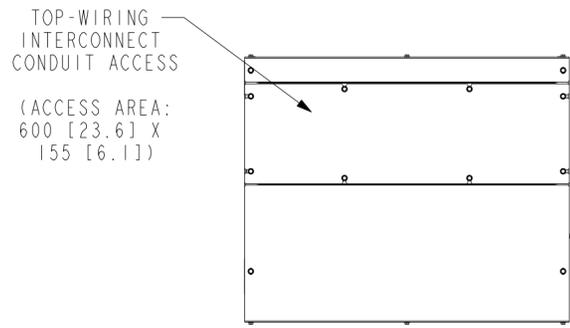
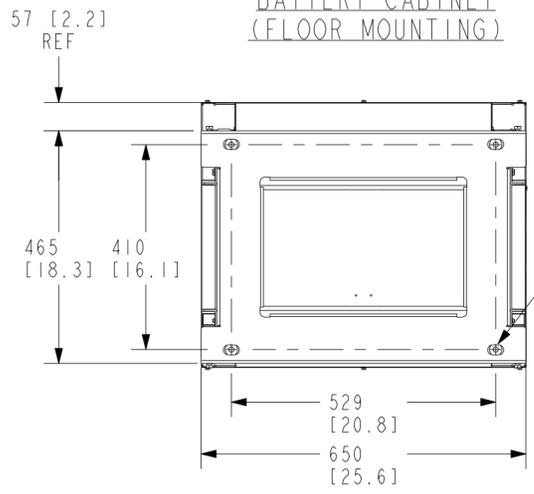


TOP VIEW
TOP WIRING INTERCONNECT
ASSEMBLY / BATTERY CABINET



BOTTOM VIEW
BATTERY CABINET
(FLOOR MOUNTING)



WEIGHT AND CENTER OF GRAVITY (INSTALLED)

	A	B	C	WEIGHT kg (lbs)
128S	325 [12.8] ≈	263.8 [10.4] ≈	1027.5 [40.5] ≈	482 [1063] ≈
136S	325 [12.8] ≈	263.8 [10.4] ≈	1027.5 [40.5] ≈	500 [1102] ≈

PACKAGED RACK DIMENSIONS

PALLET WIDTH	PALLET DEPTH	OVERALL HEIGHT
1110 [43.7]	1130 [44.5]	2190 [86.2]

PRODUCT SPECIFICATIONS

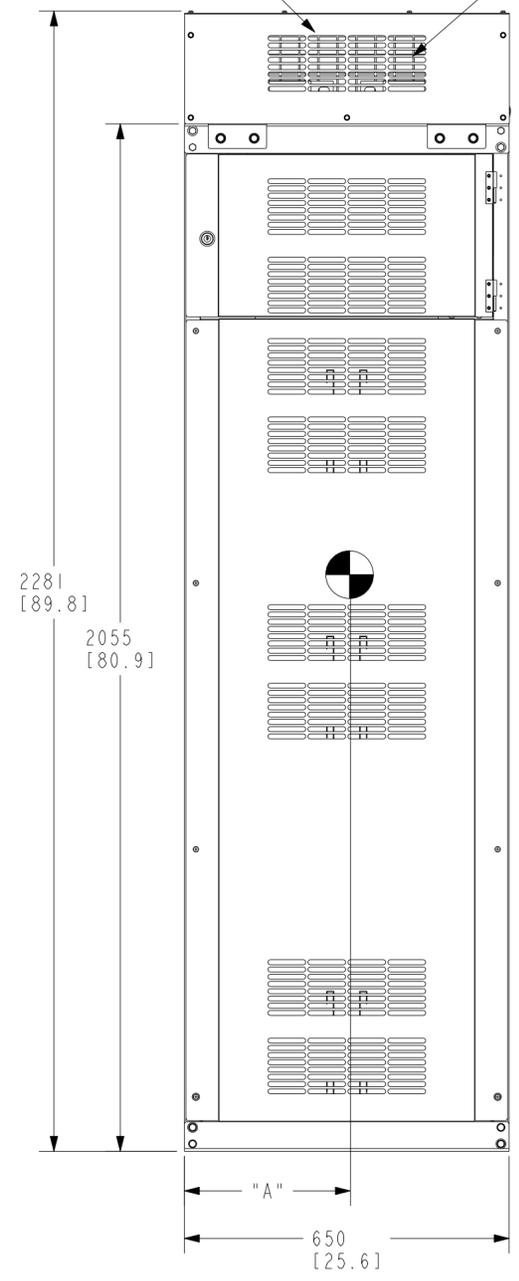
BATTERY CABINET MODEL	DC VOLTAGE OUTPUT, V (NOMINAL)	BATTERY NAMEPLATE kWh
128SIP	486.4 V	32.6 kWh
136SIP	516.8 V	34.6 kWh

TOP WIRING INTERCONNECT ASSEMBLY

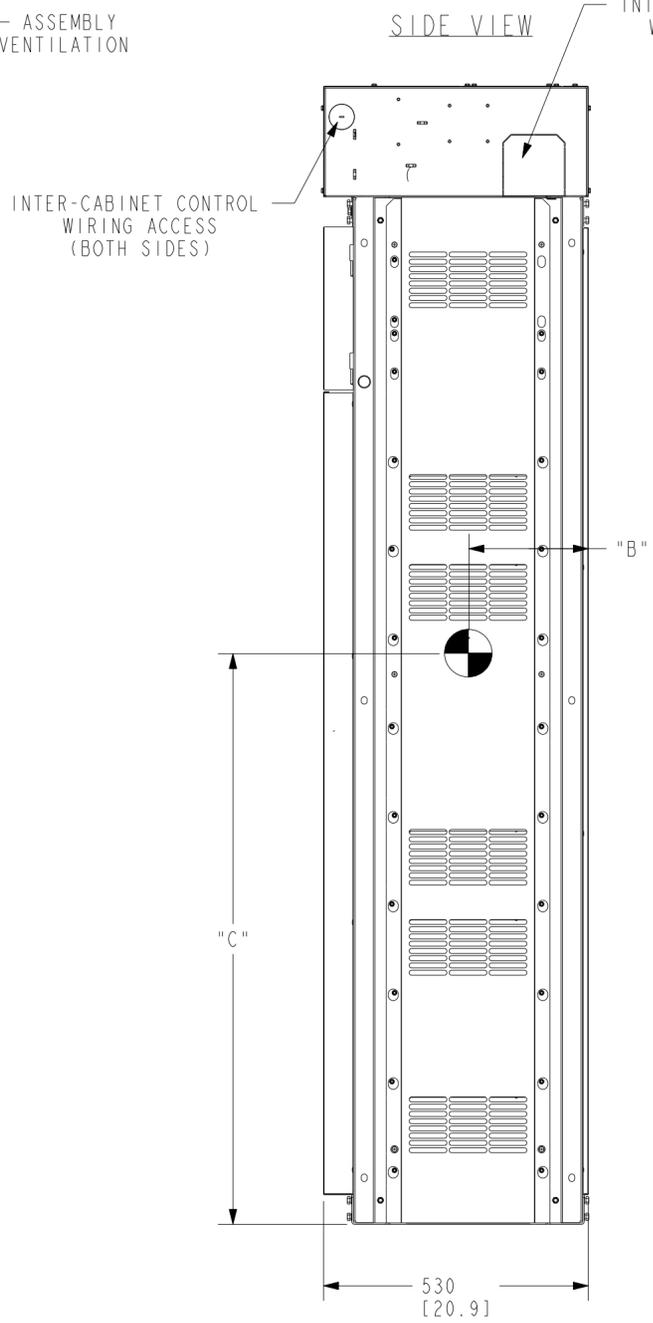
128SIP	P-103003835
136SIP	P-103003836

HEAT OUTPUT: 567 BTU

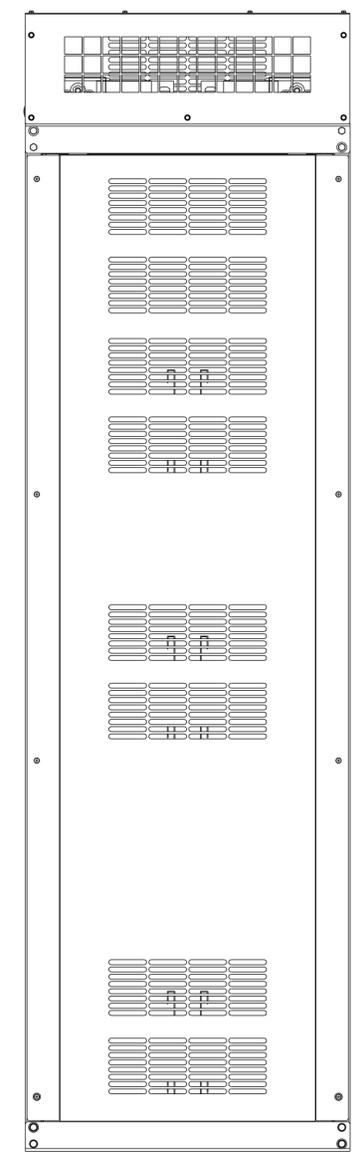
FRONT VIEW
TOP-WIRING INTERCONNECT ASSEMBLY * FIELD INSTALLED *



SIDE VIEW



REAR VIEW



NOTES

1. THE SYSTEM MUST BE INSTALLED ON A LEVEL FLOOR SURFACE SUITABLE FOR COMPUTER OR ELECTRONIC EQUIPMENT.
2. THE SYSTEM MUST BE INSTALLED IN A TEMPERATURE AND HUMIDITY CONTROLLED INDOOR AREA FREE OF CONDUCTIVE CONTAMINANTS.
3. AMBIENT TEMPERATURE RANGE 18-28degC [64-83degF], RELATIVE HUMIDITY: 5%-95% NON-CONDENSING.
4. WEIGHT: WEIGHTS DO NOT INCLUDE CUSTOMER WIRING.
5. MINIMUM 914mm [36"] FRONT ACCESS NEEDED FOR SERVICING.
6. VENTILATION IS BY MEANS OF NATURAL CONVECTION
7. ALL WIRING IS TO BE IN ACCORDANCE WITH NATIONAL AND LOCAL ELECTRIC CODES.
8. POWER HOOKUP TO UPS: POSITIVE, NEGATIVE, GROUND.
9. SPECIFICATIONS ARE SUBJECT TO CHANGE.
10. ALL DIMENSIONS ARE IN MILLIMETERS [INCHES].

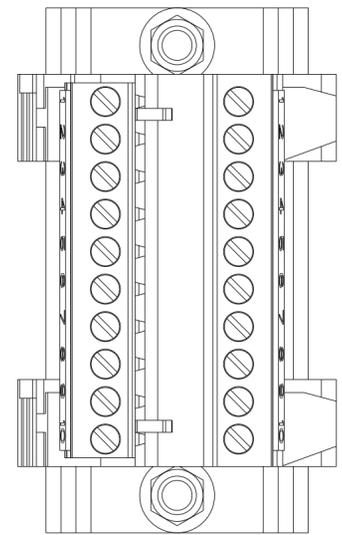
METRIC	THIRD ANGLE PROJECTION	NAME (PART NUMBER): P-110000740	REVISION: 01	EATON
DESCRIPTION: SAMSUNG UL9540a BATTERY CABINET SITE PLAN				SIZE: A2
ORIGINATED BY: MULE_V	18-NOV-2019	SEE NOTES FOR TOLERANCES DIM ARE IN MM (INCHES) AFTER PLATING INTERPRET DIM AND TOL PER ASME Y14.5-2018	STATE: Release	SCALE: 1:10
MODIFIED BY: V. Mule	18-NOV-2019		ECO: ECO-176039	SHEET: 1 OF 3

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CUSTOMER SUPPLIED WIRING, TOP INTERCONNECT ASSEMBLY		
	RECOMMENDED MINIMUM WIRE SIZE FOR 75 deg C COPPER STRANDED WIRE	RECOMMENDED TORQUE
BATTERY WIRES	3/0 AWG (2X PER POLE)	519 IN-LB
GROUND WIRES	3/0 AWG	519 IN-LB
CONTROL WIRES (TB1)	18 AWG	5 IN-LB
480 VAC AUX POWER (TB2) (2 SOURCES)**	14 AWG	10 IN-LB

- **NOTE:**
- EACH TYPE S BATTERY SYSTEM REQUIRES A MINIMUM OF ONE 400-500 VAC THREE-PHASE CIRCUIT TO PROVIDE AUXILIARY POWER TO THE SYSTEM BMS.
 - FOR 480 VAC UPS APPLICATIONS, THE BATTERY CABINET IS WIRED DIRECTLY TO A 480 VAC SOURCE.
 - FOR 208/220 VAC UPS APPLICATIONS, THE TOP WIRING KIT INCLUDES TRANSFORMERS TO STEP UP TO 480 VAC.
 - THESE CIRCUITS MUST BE PROVIDED FROM THE CUSTOMER'S ELECTRICAL DISTRIBUTION AND SHOULD BE PROTECTED BY A LISTED 15A DEVICE (CIRCUIT BREAKER OR FUSE), WITH A RECOMMENDED WIRE SIZE OF 14 AWG.
 - SOURCE 1 (REQUIRED) SHALL BE PROVIDED FROM THE UPS OUTPUT DISTRIBUTION; SOURCE 2 (OPTIONAL) SHALL BE PROVIDED FROM THE UPS BYPASS INPUT.
 - FOR PARALLEL BATTERY CABINETS, THE AC SOURCES CAN BE PROVIDED TO ONLY THE "MASTER" CABINET TOP WIRING KIT AND FROM THERE TO THE PARALLEL CABINETS USING THE SUPPLIED INTERCONNECT HARNESSING.

TERMINAL BLOCK (TB-1)



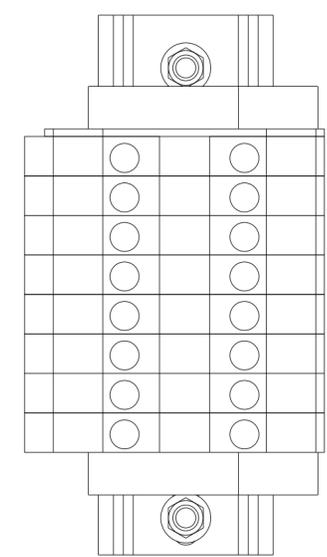
SCALE 3:2

CONTROL WIRING TO UPS (TB1)	
TB1-1	MCCB NORMALLY OPEN
TB1-2	MCCB COMMON
TB1-3	MAJOR ALARM NORMALLY OPEN
TB1-4	MAJOR COMMON
TB1-5	MINOR ALARM NORMALLY OPEN
TB1-6	MINOR COMMON
TB2-7	INPUT, OPEN BREAKER, CONTACT CLOSE >3 SEC
TB1-8	GND, OPEN BREAKER, CONTACT CLOSE >3 SEC
TB1-9	NOT USED
TB1-10	NOT USED

NOTE:

RECOMMEND 3/0 COMPRESSION LUG
THOMAS & BETTS CATALOG# 54265

TERMINAL BLOCK (TB-2)

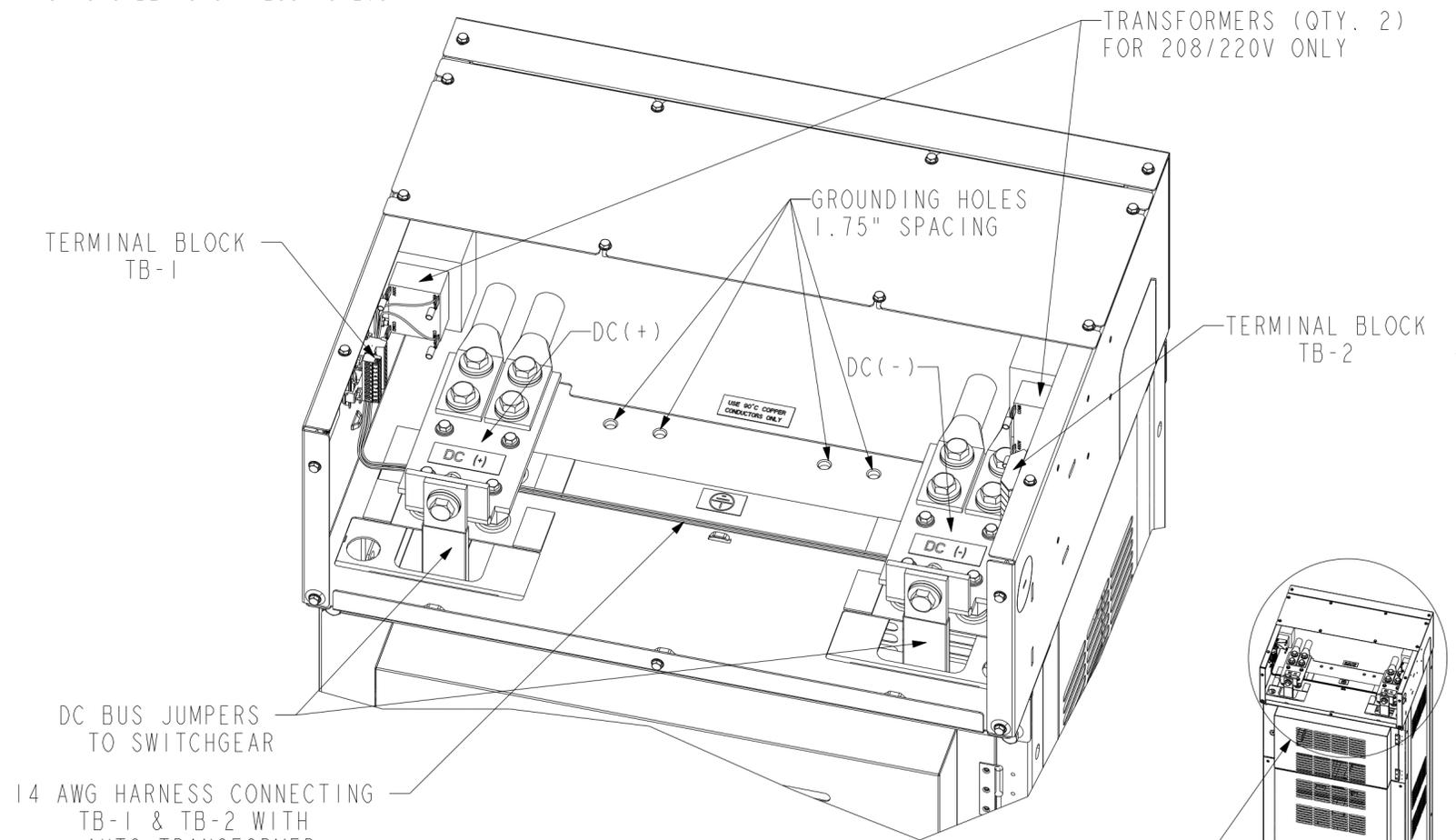


SCALE 1:1

480 VAC AUX POWER (TB2)	
TB2-1	SOURCE 1 L1
TB2-2	SOURCE 1 L2
TB2-3	SOURCE 1 L3
TB2-4	SOURCE 1 PE
TB2-5	SOURCE 2 L1
TB2-6	SOURCE 2 L2
TB2-7	SOURCE 2 L3
TB2-8	SOURCE 2 PE

*14 AWG AC AUXILIARY POWER SHOULD BE PROTECTED BY A LISTED 15A BREAKER OR FUSE.

TOP WIRING INTERCONNECT ASSEMBLY



FRONT

DETAIL A
SCALE 1:4

COVER AND BUS BAR INSULATORS REMOVED FOR CLARITY

TOP WIRING INTERFACE BOX ASSEMBLY	
480 VAC UPS APPLICATIONS	P-103003825
208/220 VAC UPS APPLICATIONS	P-103003826

METRIC	THIRD ANGLE PROJECTION	NAME (PART NUMBER): P-110000740	REVISION: 01	EATON
DESCRIPTION: SAMSUNG UL9540a BATTERY CABINET SITE PLAN		SIZE: A2		
ORIGINATED BY: MULE_V	18-NOV-2019	SEE NOTES FOR TOLERANCES DIM ARE IN MM (INCHES) AFTER PLATING INTERPRET DIM AND TOL PER ASME Y14.5-2018	STATE: Release	SCALE: 1:20
MODIFIED BY: V. Mule	18-NOV-2019	ECO: ECO-176039	SHEET: 2 OF 3	
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