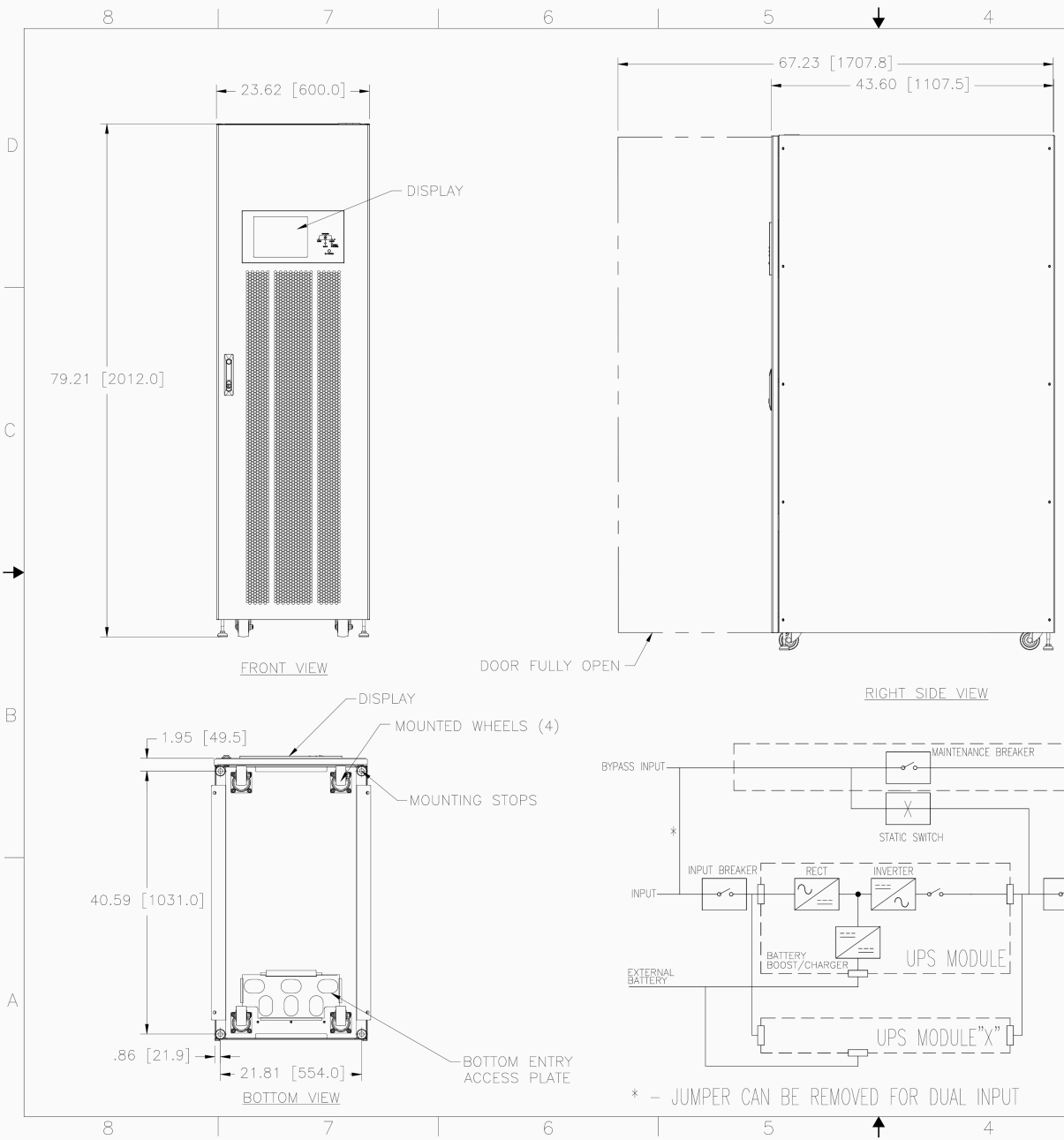




PLACEHOLDER LANGUAGE TILL REVIEWED

SUMMARY OF EQUIPMENT

THE EM4 UNINTERRUPTIBLE POWER SUPPLY (UPS) IS A TRUE ON-LINE, DOUBLE CONVERSION, PARALLELABLE, THREE PHASE SYSTEM THAT CAN PREVENT THE LOSS OF ELECTRONIC INFORMATION AND MINIMIZE EQUIPMENT DOWN TIME.

THE EM4 UPS CONSTANTLY MONITORS THE INCOMING ELECTRICAL POWER AND PROTECTS THE CONNECTED LOAD BY REMOVING VOLTAGE SPIKES, SAGS, TRANSIENTS, AND OTHER DAMAGING IRREGULARITIES THAT ARE COMMON IN COMMERCIAL UTILITY POWER. THE UPS SUPPLIES THE CLEAN, CONSISTENT POWER THAT SENSITIVE ELECTRONIC EQUIPMENT REQUIRES FOR RELIABLE OPERATION. DURING BROWNOUTS, BLACKOUTS, AND OTHER POWER INTERRUPTIONS, THE BATTERIES PROVIDE EMERGENCY POWER TO SAFEGUARD OPERATION.

THE FRONT DISPLAY PANEL PROVIDES ACCESS TO DETAILED INFORMATION REGARDING THE STATUS OF THE UTILITY, LOAD, AND EM4 UPS.

THE BLOCK DIAGRAM BELOW SHOWS THE MAIN FUNCTIONAL SUBASSEMBLIES OF THE EM4 UPS. THE AC THREE PHASE UTILITY SUPPLY IS RECTIFIED TO PROVIDE DIRECT CURRENT, THE INVERTER WHICH PROVIDES THE THREE PHASE OUTPUT, AND ELECTRONIC STATIC SWITCH.

PROVIDED THE UTILITY IS WITHIN LIMITS, THE INVERTER WILL MATCH THE OUTPUT FREQUENCY WITH THE UTILITY FREQUENCY. THE INVERTER HAS ITS OWN INTERNAL CONTROL TO STABILIZE THE OUTPUT FREQUENCY IF THE UTILITY FREQUENCY IS OUT OF LIMITS. THE ELECTRONIC STATIC SWITCH SWITCHES THE OUTPUT FROM THE INVERTER TO THE UTILITY, WITHOUT INTERRUPTION, TO MEET ANY LOAD CURRENT SURGES.

ENVIRONMENTAL

OPERATING TEMPERATURE: 0°C TO 40°C
ALTITUDE: 0-3300 FEET [1000 METERS]
(WITHOUT DERATING)
RELATIVE HUMIDITY: 0-95%, NON-CONDENSING

SERVICE/VENTILATION CLEARANCES

FROM TOP OF CABINET: 11.80 [300.0]
FROM FRONT OF CABINET: 36.00 [914.4]
FROM REAR OF CABINET: 11.80 [300.0]

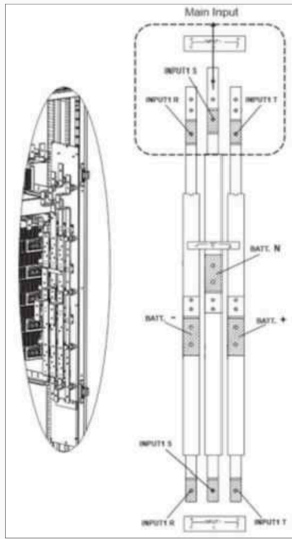
POWER RANGE: 70KW - 350KW

"X" = TOTAL NUMBER OF MODULES ALL IN PARALLEL

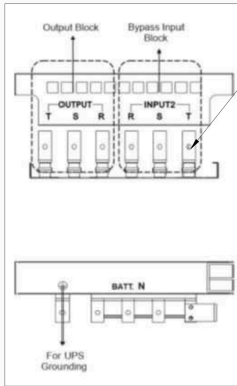
UNLESS OTHERWISE SPECIFIED, TOLERANCE IS: DECIMALS - HOLE .005 FRACTIONS - HOLE 1/32 DIMENSIONS APPLY AFTER PLATING				REVISIONS			
DATE: 4/17/2026				DRAWN BY: A. NEICK			
CHECKED BY: L. BRAGG				DATE: 6/23/2026			
ENGINEER: L. BRAGG				SCALE: NA			
SHEET 1 OF 2				DWG. NO. 093-6006			



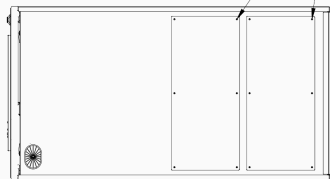
DWG. NO.	093-6006		
REVISIONS			
SYMBOL	E.C.O.	DATE	APPROVED
A		5/21/26	
RELEASED TO PRODUCTION			



DETAIL B



DETAIL A



TOP VIEW

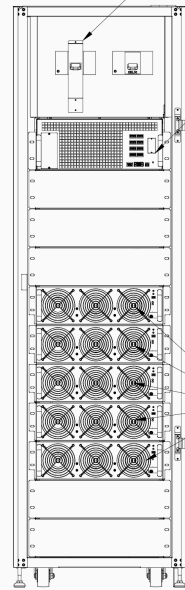
10MM BOLT TYP.

SWITCH UNIT

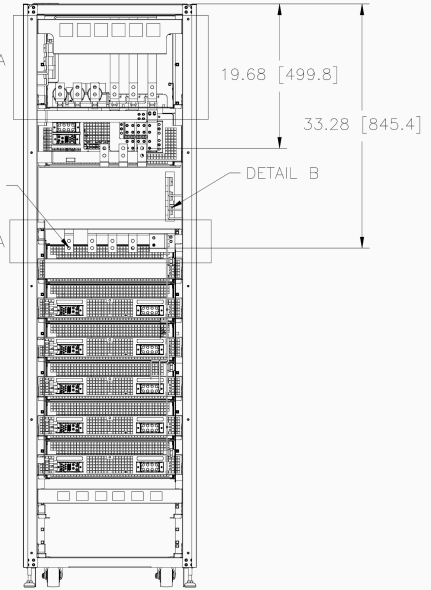
STS& CONTROL MODULE

PROTECTIVE EARTH

POWER MODULE



FRONT INTERIOR VIEW



BACK INTERIOR VIEW

UNLESS OTHERWISE SPECIFIED, TOLERANCE IS: DECIMALS: .005 TO .001 FRACTIONS: 1/16"		UNITS IN [MM]		TITLE: SPECIFICATION CONTROL DRAWING EM4 MODULAR SYSTEM 350KW FRAME			
MATERIAL: 1		ALL DIMENSIONS APPLY AFTER FINISHING		DESIGNED BY: A. NEICK	DATE: 5/21/26	FIRST USED ON:	DO NOT SCALE DIMS.
The information and design disclosed herein was originated by and is the property of STACO ENERGY PRODUCTS CO., which reserves all patent, proprietary, design, manufacturing, reproduction, use and sale rights therein, and to any article disclosed therein, except to the extent rights are expressly granted to others. The foregoing does not apply to vendor proprietary parts.		CHECKED BY: L. BRAGG		DATE: 6/23/2026	WEIGHT APPROX.	SCALE: NA	DATE CODE: 6/23/2026
		ENGINEERED BY: L. BRAGG		DATE: 6/23/2026	SCALE: NA	SHEET 2 OF 2	DWG. NO.: 093-6006

STACO ENERGY PRODUCTS CO.
A Comprehensive Supplier of Energy Solutions
2420 Highland Drive, Macomb, MI 48047 USA