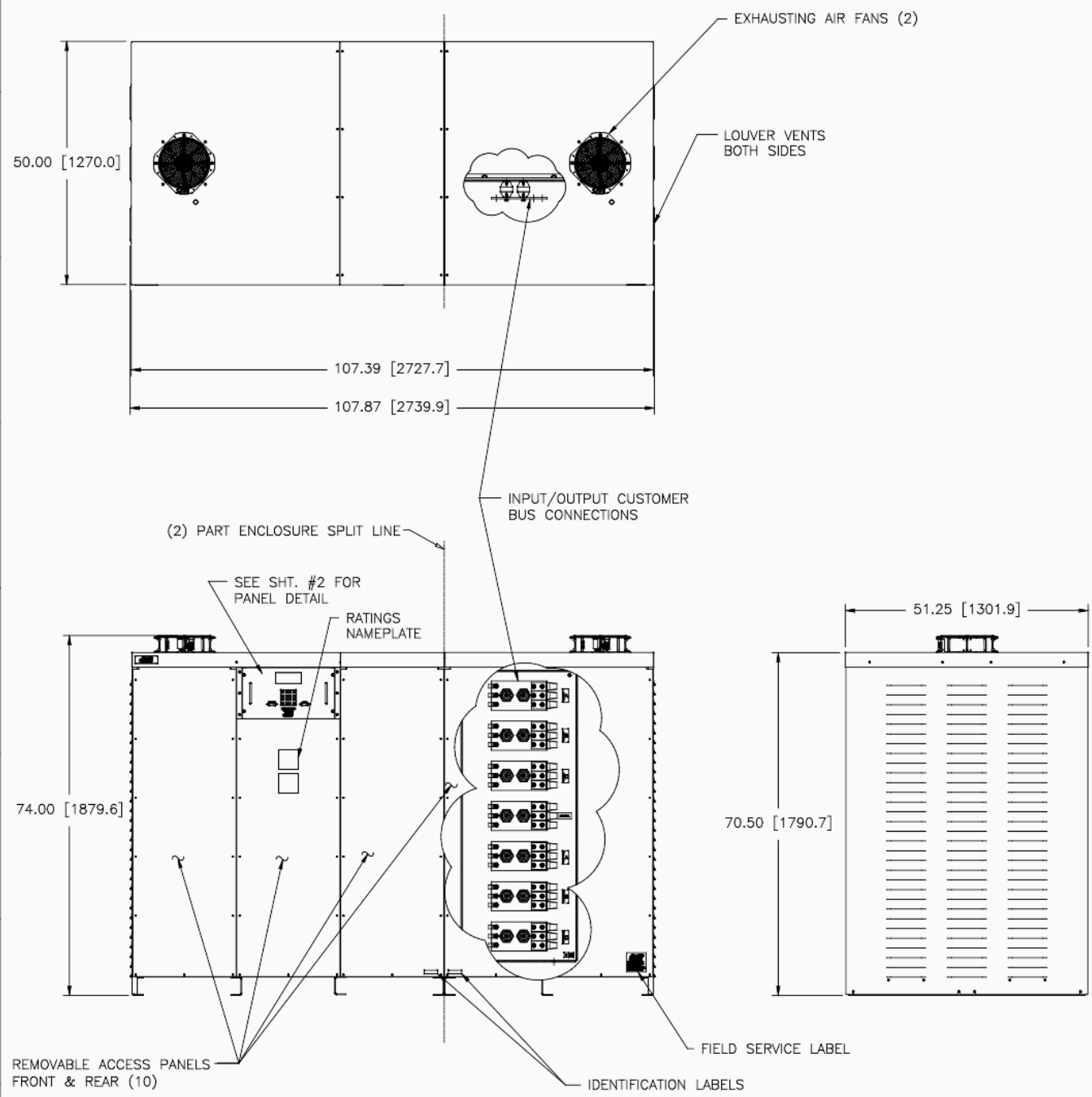




THE PROVIDER POWER SYSTEM (PPS) CONSISTS OF (2) ENCLOSURE ASSEMBLIES SHIPPED SEPARATELY. WHEN INSTALLED, (2) ENCLOSED UNITS CONTAINING ALL THREE PHASES ARE TO BE JOINED BY BOLTING HARDWARE SUPPLIED WITH UNIT.

EACH PHASE OF THE PPS SYSTEM COMPRISE OF A MOTOR-DRIVEN VARIABLE AUTOTRANSFORMER AND A MANUAL RAISE/LOWER SWITCH. THE MPPI-MICROPROCESSOR CONTROLLER AUTOMATICALLY POSITIONS EACH OF THE AUTOTRANSFORMERS TO HOLD THE OUTPUT VOLTAGE OF EACH PHASE CONSTANT. A RS-232, ALONG WITH A RS-485 AND 4-20mA INTERFACES ARE PROVIDED FOR REMOTE OPERATION AND MONITORING.

SPECIFICATIONS:
 WAVEFORM DISTORTION-----ZERO ADDED
 FREQUENCY RANGE-----47Hz TO 63Hz
 OUTPUT REGULATION-----±1%
 CONTROL BAND (USER SELECTABLE)-----* ±0.5V, ±1.0V, ±2.0V, ±4.0V
 INTERNAL IMPEDANCE-----LESS THAN 1%
 PHASE SHIFT-----NEGLECTIBLE
 EFFICIENCY-----97% TYPICAL
 TEMPERATURE RANGE-----0°C (32°F) TO +40°C (104°F)
 MOTOR SPEED-----60 SECONDS PER PHASE
 *FACTORY SET AT ±1.0V

WIRE RANGES FOR CUSTOMER WIRING
 INPUT/OUTPUT/NEUTRAL CONNECTIONS: INTERNAL BUS BARS PROVIDED FOR ACCOMMODATING UP TO (6) TERMINALS PER PHASE EACH WITH (2) Ø .625 MTG. HOLES ON 1.75 CENTERS. REFERENCE 853-0014 FOR TERMINAL RECOMMENDATIONS.

GROUND CONNECTION: (1) (300MCM-#6 AWG) COMPRESSION (LOCATED ON I/O PANEL)

CONTROLS:
 KEYPAD & LCD DISPLAY: THE KEYPAD & LCD DISPLAY ARE PROVIDED FOR CONTROL OF THE UNIT WITH AN LCD DISPLAY FOR OUTPUT VOLTAGE READINGS. SEE THE MPPI USER'S HANDBOOK (FORM #003-2530) FOR DETAILED INFORMATION.

CONTROLLER ON/OFF SWITCH: THIS SWITCH TURNS OFF POWER TO THE MICROPROCESSOR CONTROLLER ONLY.

MOTOR ON/OFF SWITCH: THIS SWITCH TURNS OFF POWER FROM THE MICROPROCESSOR TO THE AUTOTRANSFORMER MOTORS.

RAISE/LOWER SWITCHES: THESE SWITCHES ARE LOCATED INTERNALLY AND ARE ACCESSIBLE FROM THE FRONT AND REAR VIA THE REMOVABLE ACCESS PANELS. THE SWITCHES ALLOW FOR EACH PHASE OF THE PPS TO BE CONTROLLED INDIVIDUALLY.

THREE PHASE (4-WIRE) (INDIVIDUAL LINE CONTROL)				
HERTZ	OUTPUT VOLTAGE (ADJUSTABLE)	INPUT VOLTAGE NOMINAL	MAXIMUM OUTPUT AMPERES	RATED OUTPUT (KVA)
50	0-480	400Y/230	840	698
60	0-575	480Y/277	840	836

LATEST REVISIONS 1. 09/22/23 2. 07/22/23 3. 07/22/23	SPEC. CONTROL DRAWING PROVIDER POWER SYSTEM TYPE: PPS-48LAE836-M	SHORE 07/22/23 07/22/23 07/22/23	1/8 1/8 1/8	1 1 1	094-6413
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