

600 Amp Cabinets

Specifications Sheet



GENERAL

DIMENSIONS (W X D X H)	46" x 39" x 64"
WEIGHT	1,000lbs
CONSTRUCTION MATERIAL	1/8" Aluminum
ENCLOSURE	UL50E - NEMA 3R
COMPLIANCE	UL 508A

ELECTRICAL

VOLTAGE	480Y/277Vac 3-phase 4 wire
SHORT CIRCUIT CURRENT RATING	50kA
MAX CURRENT RATING OF CABINET	600A
GROUNDING	Neutral and Ground unbonded (can be bonded in field)
INCOMING WIRE TERMINATION	Stud termination (optional mechanical lug kit available)

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MAIN BREAKER

MAX OVERLOAD TRIP	600A
MIN OVERLOAD TRIP	150A
TRIP UNIT	LSI Electronic Trip Unit (Dial Adjustable)

BRANCH BREAKERS FOR CHARGERS

QTY	2
TRIP UNIT	LSI Electronic Trip Unit (Dial Adjustable)
OVERLOAD TRIP SETTING OPTIONS (AMPS)	150, 200, 240, 280, 300, 320, 340, 360, 380, 400
COMMON CHARGER SIZES COVERED*	100kW, 125kW, 150kW, 175kW, 180kW, 200kW, 225kW, 240kW
*NOTE	Confirm this with specific charger being used
OUTGOING WIRE TERMINATION	(2) 600kcmil to 2/0 wires per phase

METERING (OPTIONAL)

CT RACK SIZE	600A
CT RACK PHASES	3 Phases + Neutral
METER SOCKET	Milbank approved meter socket and test switch mounted on side (Utility dependent)
BUS BAR LINKS	Included to meet metered and unmetered requirements

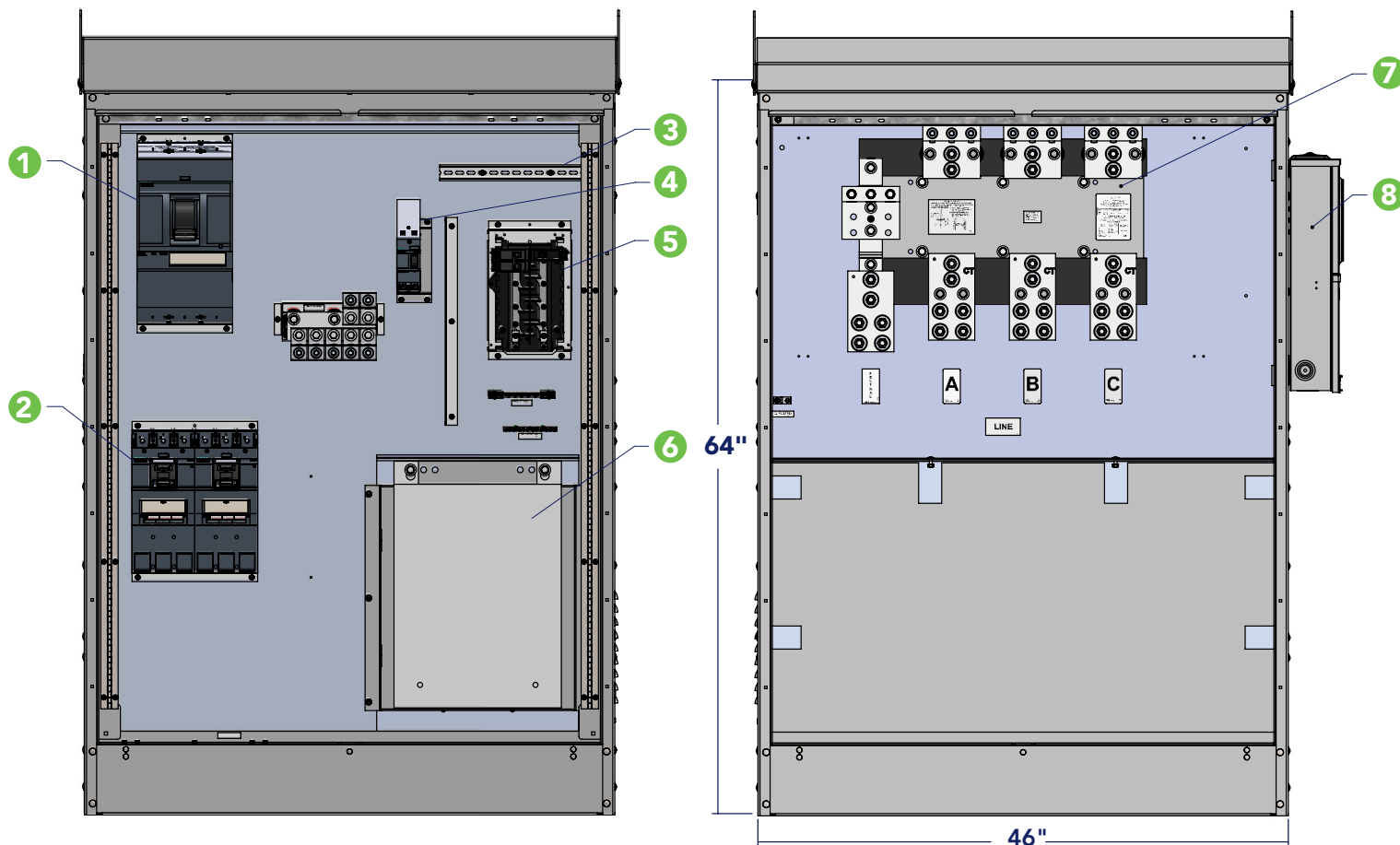
TRANSFORMER (OPTIONAL)

240V MAIN BREAKER SIZE	125A
TRANSFORMER SIZE	25kVA Encapsulated Single Phase
# OF CIRCUITS	16ckt Loadcenter
BREAKER TYPE	Plug-Ons
GFI RECEPTACLE (INCLUDED WHENEVER HAVE TRANSFORMER)	20A 120V GFI Receptacle (fed by 1P 20A breaker)

*STD 240/120V BRANCH BREAKER CONFIGURATIONS AVAILABLE

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1 MAIN BREAKER

- 600AF
- Max overload trip - 600A
- Minimum overload trip - 250A
- LSI electronic trip unit

2 BREAKERS FOR FEEDING EV CHARGERS

- Quantity of 2
- LSI dial adjustable electronic trip unit
- Adjustable overload trip settings options (A) 150, 200, 240, 280, 300, 320, 340, 360, 380, 400
- Examples of common EV charger sizes covered (KW)*: 100, 120, 125, 150, 175, 180, 200, 225, 240

*Needs to be confirmed with specific EV charger being used

3 DIN RAIL 35MM X 7.5MM FOR FIELD-INSTALLED EQUIPMENT

4 TRANSFORMER PRIMARY BREAKER (OPTIONAL)

- 70A 2P

5 LOADCENTER (OPTIONAL)

- 16CKT 240/120V single phase
- 125A secondary main breaker
- Multiple branch breaker configuration options available

6 TRANSFORMER (OPTIONAL)

- 25KVA 480:240/120V single phase

7 800A CT RACK

- Confirm compliance with local utility
- Lug kit available for line side termination
- For unmetered use bypass bus links shipped with unit
- Supports window or bar type CTs

8 MILBANK CT RATED METER SOCKET (OPTIONAL)

- Utility dependent for specific Milbank meter socket needed