

# 600 Amp Cabinets

## *Specifications Sheet*



### GENERAL

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

### ELECTRICAL

<b>VOLTAGE</b>	480Y/277Vac 3-phase 4 wire
<b>SHORT CIRCUIT CURRENT RATING</b>	50kA
<b>MAX CURRENT RATING OF CABINET</b>	600A
<b>GROUNDING</b>	Neutral and Ground unbonded (can be bonded in field)
<b>INCOMING WIRE TERMINATION</b>	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

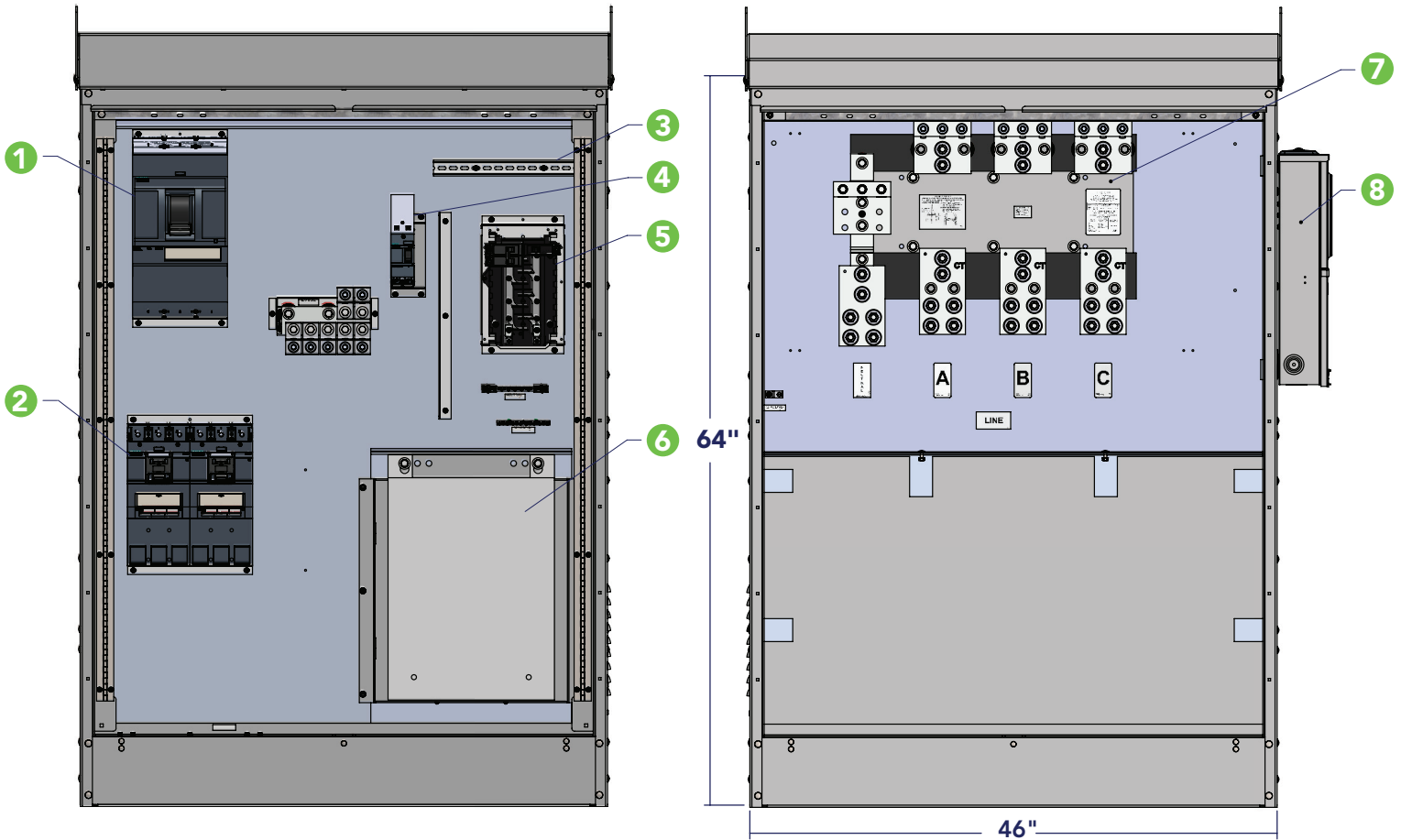
### TRANSFORMER (OPTIONAL)

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