UL891 Low Voltage Switchboard

Designs comply with IEC 61439 for global market compatibility

Overview

Switchboards can be custom designed or utilize a standard configuration to meet specifc dimensional and electrical requirements. They can include fully integrated component options from leading manufacturers, including automatic transfer switches, SPD, distribution transformers, and PLC or relay based transfer schemes, Automation, Metering and Monitoring. Circuit breakers and fusible switches can be group or individually mounted. Indoor and outdoor enclosures are available in a wide range of durable color fnishes.

Description

- Metering compartments built to applicable Utility standards
- Variety of fully integrated component options available including automatic transfer switches, SPD, distribution transformers, and PLC or relay based transfer schemes, Automation, Metering and Monitoring
- Switchboard fed by cables, cable bus, bus duct, or transformer
- Fixed-mount or draw-out breakers for both mains and feeders
- Group mounted, fix-mounted fusible switch mains and feeders or combination of fixed mounted breakers and fusible switches
- Thermal magnetic, electronic circuit breakers with standard, high kAIC or current limiting capability, 80% or 100% rated
- All commercially available UL Listed options on circuit breakers and fusible switches

Features

- Voltage - Up to 600VAC, Up to 250VDC maximum
- Ampacity - 400A to 12,000A maximum bus rating
- Switchboard ratings through 12,000A, 200kA up to 480V, 100kA up to 600V
- Type 1 or 3R enclosures
- Paint ANSI 61 – Standard, other colors available as options
- Front, rear, and side accessibility
- Devices can be individually (vertically) or group (panel horizontally) mounted
- Custom sheet metal and bus flexibility for busway and transformer connections
- Extensive protective device accessories available
- Silver-plated copper bus, or tin-plated aluminum bus,or optional tin plated or bare copper
- 1000A per sq in. fully rated copper bus systems
- 750A per sq in. fully rated aluminum bus systems
- Tested to short circuit rating of 3 cycles (.05sec.) or to immediate trip of tested OCPD and braced to UL configuration standards
- Rigid frame construction isolating bus and breaker assemblies from enclosure

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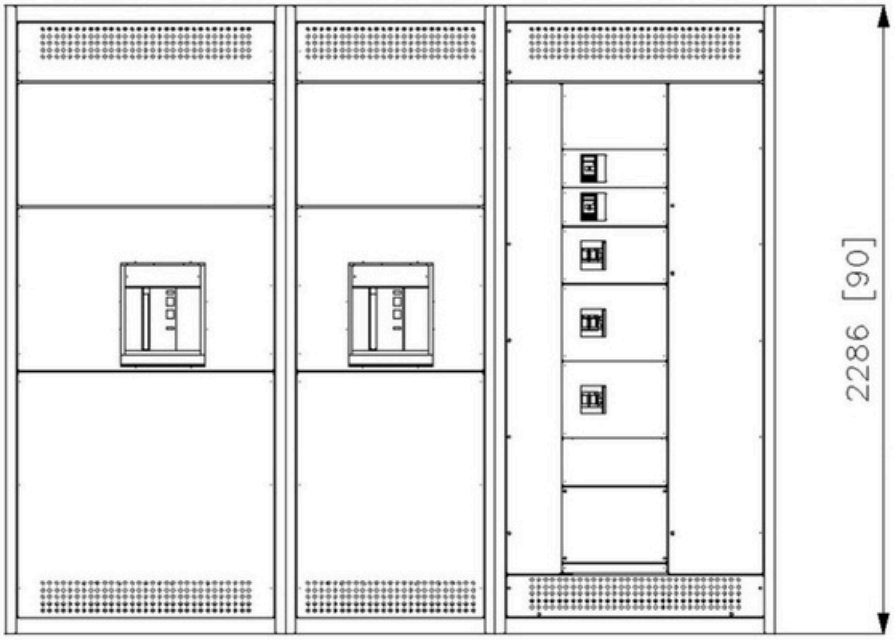
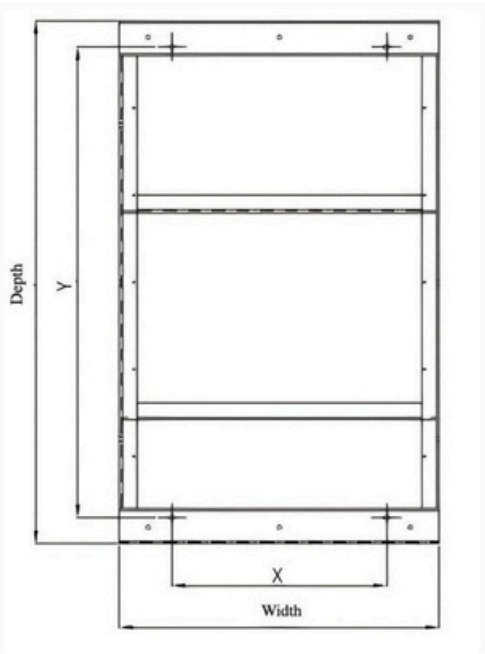
Dimension





Depth \ Width	32 in. (812.8min)	36in. (914.4mm)	42in. (1066.8mm)	44in. (1117.6mm)	46in. (1168.4mm)
60in. (1500mm)	X: 20.2 (512.8) Y: 53.1 (1350.0)	X: 24.2 (614.4) Y: 53.1 (1350.0)	X: 30.2 (766.8) Y: 53.1 (1350.0)	X: 32.2 (817.6) Y : 53.1 (1350.0)	X: 34.2 (868.4) Y : 53.1 (1350.0)
72in. (1800mm)	X: 20.2 (512.8) Y : 65 (1650.0)	X: 24.2 (614.4) Y: 65 (1650.0)	X: 30.2 (766.8) Y: 65 (1650.0)	X: 32.2 (817.6) Y: 65 (1650.0)	X: 34.2 (868.4) Y: 65 (1650.0)
87in. (2200mm)	X: 20.2 (512.8) Y: 80.7 (2050.0)	X: 24.2 (614.4) Y : 80.7 (2050.0)	X: 30.2 (766.8) Y: 80.7 (2050.0)	X: 32.2 (817.6) Y : 80.7 (2050.0)	X: 34.2 (868.4) Y : 80.7 (2050.0)

Fateng Electric - Powering Global Infrastructure with Intelligent Switchgear Solutions.

Established in 2011, Fateng Electric has emerged as China's foremost innovator in compact power distribution systems.

Key Highlights

- CNY 105 Million in advanced manufacturing infrastructure
- CNY 300+ Million annual revenue with 18% YOY growth since 2019
- 28 Patents covering busbar thermal management and arc containment technologies

Global Footprint

Our UL/CE/IEC-compliant solutions power critical infrastructure across 26 countries, including:

✓ Asia: Thailand (EGAT), Vietnam (EVN), Oman, Pakistan
✓ Africa: Egypt (EETC), Nigeria, Mozambique
✓ Americas: United States (NEMA PB2), Brazil
✓ Europe: Georgia, Russia