POWER & ELECTRIFICATION · SPEC SHEET

38kV METAL-CLAD SWITCHGEAR

U.S.-engineered and built in Houston. Tested at W-Industries and KEMA Labs.



38kV 50/60Hz	**2000A** 1200A also available	**40kA** 2s; 104kA peak	**150kV BIL** UL witnessed tests	**80kV Power Frequency** 60s, UL witnessed tests

RATINGS

SWITCHGEAR, PT TRUCK AND FUSE TRUCK	
Rated maximum voltage	38kV
Rated frequency	50/60Hz
Rated continuous current	1200A and 2000A 3000A and 4000A in development
Short-time withstand	40kA for 2s
Peak (momentary) withstand	104kA for 10 cycles
Lightning impulse withstand (BIL)	150kV
Power frequency withstand	80kV, 60s
Circuit breaker	ABB ADVAC 38kV, draw-out, with breaker cell
Enclosure	Indoor Outdoor NEMA 3R in development
Standard	IEEE C37.20.2-2025
Testing	Witnessed by UL at W-Industries and KEMA Labs UL certificate being issued

Tested configurations: line PT over bottom breaker; bus PT and fuse truck in an auxiliary vertical section.

DESIGN FEATURES

First-attempt dielectric pass

Large phase-to-phase and phase-to-ground clearances; no flashover in UL-witnessed testing.

Ground-up PT and fuse trucks

Hard-bussed PTs, with automatic PT discharge during rack-out.

Insulated rectangular bus

Insulation rated above the required 38kV BIL, for enhanced tracking resistance.

No added ventilation

Passed temperature rise testing with no extra top or rear ventilation.

Custom configurations, one footprint

Custom layouts within a 42-inch-wide vertical section.

Your relay platform

Any relay and control platform, with digital monitoring and protection.

DIMENSIONS AND ESTIMATED WEIGHTS	
Vertical section	42 W x 110 H x 120 D in
Switchgear section	6,500 lb
PT truck | fuse truck	800 lb | 400 lb
ABB ADVAC breaker	650 lb

Share your volumes and designs.

Our mission is to shave weeks off 38kV lead times. Standard configurations, an inventory model and early visibility of your project are how we get there.

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