

Power Xpert UX High-voltage switchgear system



Power Xpert UX - Double busbar

Eaton's Power Xpert UX system in double busbar configuration is designed for your most critical applications up to 24kV and delivers increased flexibility, reliability and safety.

The configuration in back-to-back or front-to-front completes the extensive range of panel types and options available within the global withdrawable platform Power Xpert UX. The platform ensures minimum process interruptions and delivers an optimized switchgear solution based on your project specific requirements.

Features and benefits

With proven technologies Eaton's Power Xpert UX delivers:

- Safe, reliable and user friendly operation
- Fully insulated and isolated design reduces the potential for internal faults
- W-VACi vacuum circuit breakers with world leading vacuum technology
- Highest loss of service continuity LSC2B
- Full third-party type tested to latest IEC standards
- SF₆-free design
- Ratings up to 4000A/50kA-3s
- Internal arc classification AFLR up to 50kA-1s
- Solutions for venting gases in or outside the switch room
- Low total cost of ownership resulting from low initial, operating, maintenance, and disposal costs

Application areas

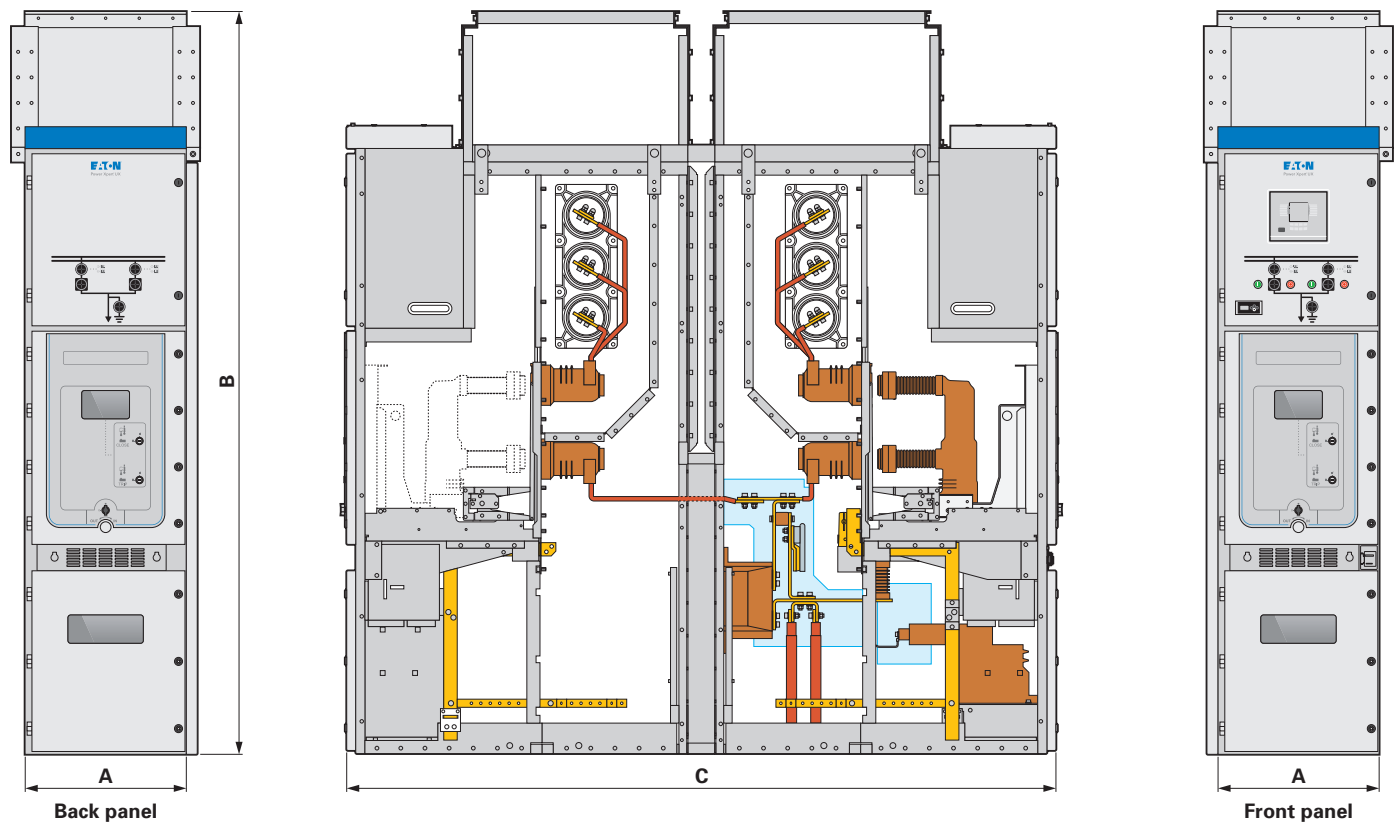
- Utilities
- Power generation
- Metals and mining
- Infrastructure
- Petrochemical industries



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Electrical data

System		12 kV	17.5 kV	24 kV
Rated voltage	kV	12	17.5	24
Impulse withstand voltage	kV	75	95	125
Power frequency withstand voltage	kV	28	38	50
Rated frequency	Hz	50/60	50/60	50/60
Busbar system				
Rated normal current	A	630 ... 4000		630 ... 2500
Rated short time withstand current	kA/s	25 ... 50/3		20 ... 31.5/3
Circuit-breaker type W-VACi				
Rated nominal current	A	630 ... 4000 (FC)		630 ... 2500
Rated short time withstand current	kA/s	25 ... 50/3		20 ... 31.5/3
Earthing switch				
Rated short time withstand current	kA/s	25 ... 50/3		20 ... 31.5/3
Internal arc				
Internal arc classification AFLR	kA/s	Up to 50/1		Up to 31.5/1
Enclosure data				
Degree of protection		IP4X (IP41, IP42 or IP44 as an option)		
Loss of service continuity category		LSC2B		
Partition class		PM		
Standard color		RAL7035		



Main dimensions

System		12 kV	17.5 kV	24 kV
Width A ¹⁾	mm	600/800/1000	600/800/1000	800/1000
Height B ²⁾	mm	2760	2760	2880
Depth C ³⁾	mm	2698 ... 3054	2698 ... 3054	3210

¹⁾ Panel width depends on the rated current and rated short time withstand current.

²⁾ Total height with standard arc channel for venting gases outside the switch room. For the availability of low height arc channels and solutions to vent gases inside the switch room, please contact Eaton.

³⁾ Panel depth depends on the rated current and rated short time withstand current.

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Form No. 6151117
June 2019