



What's the difference?



MV Metal Enclosed Switchgear

MV Metal Clad Switchgear

What YOU need to know and look for in specifications...

Certifications – Standards – Acceptance

<ul style="list-style-type: none"> • ANSI C37.20.2 for Breakers • ANSI C37.20.3 for Switchgear • CSA C22.2 #31 	<ul style="list-style-type: none"> • ANSI C37.20.2 • CSA C22.2 #31 – M89 • EEMAC G8-3.2
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Structure Characteristics

<ul style="list-style-type: none"> • Front and rear access (choice OK) • Shutters not required • Compartmentalization not required • Adjacent compartments can be open • Bus and primaries can be uninsulated • Fixed mounted switching and interrupting devices are allowed 	<ul style="list-style-type: none"> • Must have front & rear access • Shutters are required • ALL live parts are compartmentalized • Compartments isolated from each other • Bus and primaries must be insulated • Switching and interrupting devices are always drawout mounted
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Over Current Protection Device Types

<ul style="list-style-type: none"> • VCP-W or VCP-T Vacuum Circuit Breaker • Switches with or without fuses 	<ul style="list-style-type: none"> • VCP-W Vacuum Circuit Breaker • 1200 Amps through 4000 Amps
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Over Current Protection Device Features

<ul style="list-style-type: none"> • Drawout Circuit Breakers with protective relays for over current protection • Max interrupting around 40kA but varies by voltage and product class • Switches have low duty cycle (100-750 no-load, 5-50 load-switching operations) (3 -4 fault close operations) varies by voltage and product class • Fixed Mounted Fuses • Suited for less demanding applications 	<ul style="list-style-type: none"> • Drawout Circuit Breakers with protective relays for over current protection • Up to 63kA interrupting but varies by voltage class • Breakers have high duty cycle (5,000 – 10,000 no-load or load switching operations) (50 – 100 fault interruptions) varies by voltage • Especially suited for demanding medium voltage power distribution applications
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The Bottom Line

Metal Clad IS Metal Enclosed **BUT Metal Enclosed is NOT Metal Clad!!!**