



PowerClad 27kV Metal-Clad Medium Voltage Switchgear

Spike Electric offers a range of medium voltage solutions within the 27kV category, designed to accommodate both indoor and outdoor settings, including non-walk-in and fully enclosed outdoor types. Our 27kV switchgear, mechanically ready and rated for 40kA, comes with the option for CSA certification when necessary. Additionally, it undergoes rigorous testing in accordance with ASCE7-10 standards to ensure it surpasses the expectations set by IBC & CBC regulations.



Valued Partner Acknowledgment Statement: Spike Electric Controls has partnered with ABB as a Value Add Partner, blending ABB's cutting-edge technology with our expertise in electrical solutions to elevate industry standards. This partnership aims to globally enhance system efficiency, reliability, and sustainability, delivering sophisticated electrification solutions to our customers. Additionally, this alliance includes dual branding of our Switchgear products and extends ABB's warranties through Spike's comprehensive Switchgear solutions, ensuring quality and reliability.



PowerClad

27kV Metal-Clad
Medium Voltage Switchgear



- Superior cycloaliphatic epoxy insulation—a void-free insulating material with outstanding electrical and mechanical characteristics, such as track resistance, dielectric strength, and fungus resistance, even in harsh industrial environment—is used throughout the circuit breaker as primary phase-to-phase and phase-to-ground insulation.
- Axial-magnetic, copper-chrome contacts are used in 27kV vacuum interrupters to provide superior dielectric strength, better performance characteristics, and lower chop current.
- High power laboratory tests prove AMVAC breakers are capable of 50 to 200 full fault current interruptions
- Easy inspection and accessibility is afforded by front mounted stored energy operating mechanism. The same basic mechanism is used on all ratings, which requires a minimum investment in spare parts.
- All 27kV circuit breakers are horizontal Drawout design, which provide connect, test and disconnect position. A latch secures the breaker in the connected and disconnected/test position. The circuit breaker is designed to roll directly on the floor.
- Circuit breaker compartment is designed to interface with type AMVAC 27kV circuit breaker. It includes floor-mounted breaker pan assembly (levering assembly) with all safety interlocks required by the metal-clad design. Cell mounted guide rails accurately guide the breaker into the cell during levering, and ensure correct alignment of the circuit breaker primary disconnects with the cell primary contacts when breaker reaches connected position.
- Coding plates are provided to ensure only correct breaker rating can be installed in the cell.
- Automatic steel shutters cover cell primary contacts when circuit breaker is withdrawn from its connected position, to prevent persons from accidentally touching the stationary primary cell contacts. Each shutter can be padlocked in the closed or open position. It can also be manually latched open as required for maintenance.
- A separate control compartment is provided for installation of protection, metering and control devices. No devices are located on circuit breaker compartment door.
- Rear of the switchgear is divided in main bus and cable compartments, isolated from each other by grounded metal barriers. Sufficient space is available for customer's top or bottom entry power cables. Bus duct terminations can also be supplied. A bare copper ground bus is provided along the entire lineup, with an extension in each cable compartment for termination of power cable shields.

General Description:

27kV Metal-Clad Switchgear:

Spike Electric Controls PowerClad switchgear family is designed for use in applications with distribution voltages up to 27kV maximum. Typical applications include not only new construction but also replacement for older air-break, minimum oil or SF6 switchgear. The circuit breaker and switchgear will meet industry requirements for greater safety, quality, superior reliability and minimal maintenance while providing higher insulation levels in less space than other breaker types, thus reducing overall switchgear size for significant space savings.

Ratings:

- Maximum rated voltage: 25kV rms
- BIL withstand: 125kV peak
- Maximum symmetrical interrupting with K = 1: 16kA, 25kA, 31.5kA, 40kA rms, and 35kA rms (21kA rating with K = 1.65)
- Continuous current:
Circuit breakers - up to 2500A
Switchgear main bus - up to 3000A

Features:

27kV Vacuum Circuit Breaker:

- Corona-free design increases circuit breaker reliability and in-service life by maintaining insulation integrity.

27kV Switchgear Assembly:

- The 27kV switchgear assembly is a corona-free, metal-clad design. It integrates many features and advantages from the 5, 15, and 30kV PowerClad designs, with additional modifications necessary for 27kV applications.
- Industry-leading cycloaliphatic epoxy supports are used for primary phase-to-phase and phase-to-ground insulation 125 throughout, providing 125kV BIL and 80kV (1 minute) power frequency withstand capability.
- All primary bus conductors are insulated for full 27kV by fluidized epoxy coating. All buses are fabricated from 100% conductivity copper. Bus joints are silver- or tin-plated as required, and covered with Spike Electric Control's pre-formed insulating boots to maintain metal-clad integrity.





PowerClad

27kV Metal-Clad
Medium Voltage Switchgear



Optional Accessories and Features:

- UL / cUL listing
- Copper tin-plated bus
- Insulated bus and bus boots over joints
- 80kA momentary bus rating
- Automatic transfer switch
- Weather resistant
- Dust resistant
- NEMA 2 drip-proof enclosure
- Rear doors (full height or double)
- Vertical barriers
- Rodent barriers
- Bottom closure plates
- Seismic Zone 4 bracing
- Tamper resistant hardware
- Auxiliary switches (2NO-2NC)
- Thermostat
- Space heater (standard on outdoor, optional on indoor)
- Porcelain insulators
- Customer metering
- Surge arresters
- Mimic bus
- Space heater switch
- Ground studs
- Convenience light
- Duplex receptacle
- Top hat
- Run back bus
- And more!

Features Cont:

- Ampacity: 1200A, 2000A, 3000A
- Basic Insulation Level (BIL): 125kV (Breaker 170kV BIL)
- Advanced ABB vacuum circuit breaker technology.
- Indoor/outdoor compatibility.
- Metal-clad Switchgear, compartmentalized structure.
- Rear connection access.
- Main-tie-main automatic transfer configurations available.
- Breaker & Drawout PT integration in feeder sections.
- 27kV voltage, 1200A - 3000 Ampacity.
- BIL: 125kV (Breaker 170kV BIL).
- Breaker interrupter up to 40kAIC.

ANSI/IEEE C37.04

Rating Structure for High Voltage Circuit Breakers

ANSI/IEEE C37.54

Indoor HV Breakers in Metal Enclosure Conformance Test

ANSI/IEEE C37.55

Medium Voltage Metal-Clad Assemblies

ANSI/IEEE C37.09

Test Procedure for AC HV Breakers on Sym Current basis

ASCE7-10 Standards

Compliance for structural design.

IBC & CBC

Compliance with building codes.

Buy American Act

Certification available upon request.

CSA Certified

COMPLIANCES:

ANSI/IEEE C37.20.2

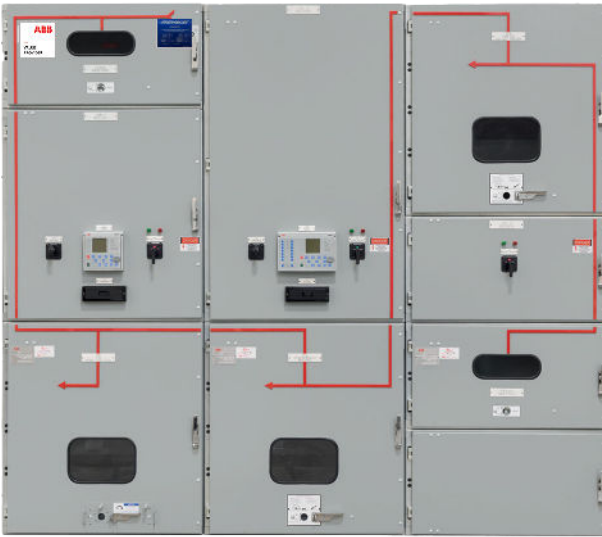
Metal-Clad Switchgear





PowerClad

27kV Metal-Clad
Medium Voltage Switchgear



Construction Doors:

PowerClad front doors consist of the breaker compartment, auxiliary unit compartments and LV compartments. These doors are provided with a single handle, multi-point latch (MPL) as standard. Bolted doors are available as an option. All doors are hinged on the left as standard (when facing the front door). Right-hand hinged doors are available as an option.

Rear doors on the PowerClad product are used to access the high voltage cable compartments. These doors are available in the following configurations:

- Full height hinged and bolted
- Split doors (top compartment/bottom compartment) hinged and bolted
- Full height hinged with multi-point latch (MPL) is optional
- Bolted, non-hinged full height or split doors are also available as an option.
- All front and rear doors are constructed using 12-gauge painted steel.

Padlock provisions are available on all front and rear doors. These padlock provisions are used to lock the door closed to prevent access to the compartment interiors. On breaker compartment doors, padlock provisions are also supplied on the racking release lever, to prevent unintended racking of the breaker.

Breaker and auxiliary compartment unit doors include a viewing window used for observing the position and status of the components inside the compartment with the door closed. These doors can also be provided with the SmartRack mounting provisions for remote racking applications.

Due to the small footprint design, installation of protection and control devices on the breaker and auxiliary unit doors are not possible without adding the optional 10-inch front extension to the front of the frame. With the 10-inch front extension, protection and control relaying can be installed on these doors.

Compartment Types Circuit Breaker Compartment

Circuit Breaker Compartments:

PowerClad circuit breaker compartments are designed for operator safety by providing one large viewing window and automatic latching, three-position, closed door racking. As an option, mechanical breaker position indicators, viewable from outside the compartment, with the door closed are available. The circuit breakers have self-aligning, fully automatic primary and secondary contacts allowing operators to keep the door closed throughout the racking operation.

Unique Racking System & Interlocks:

The racking system is unique and features a three-position closed door system for all circuit breakers. The racking mechanism is integral to the circuit breaker, so moving parts can be inspected and maintained outside the circuit breaker compartment and away from energized primary parts.

A solid stationary ground contact engages the grounding contact of the circuit breaker prior to the coupling of the primary or secondary contacts and is continuous during the racking operation

The three racking positions are defined as follows:

- Connected: Primary and secondary (control) contacts are engaged
- Disconnected: Primary and secondary (control) contacts are disengaged
- Test: Primary contacts are disengaged. Secondary (control) contacts are engaged for incell breaker testing.



Racking System Includes All Necessary Interlocks:

In compliance with ANSI/IEEE standards to assure proper sequencing and safe operation. For improved safety, the interlocking system prohibits operation of the breaker while in an intermediate position and prohibits insertion of an improperly rated breaker.

Secondary Disconnect System:

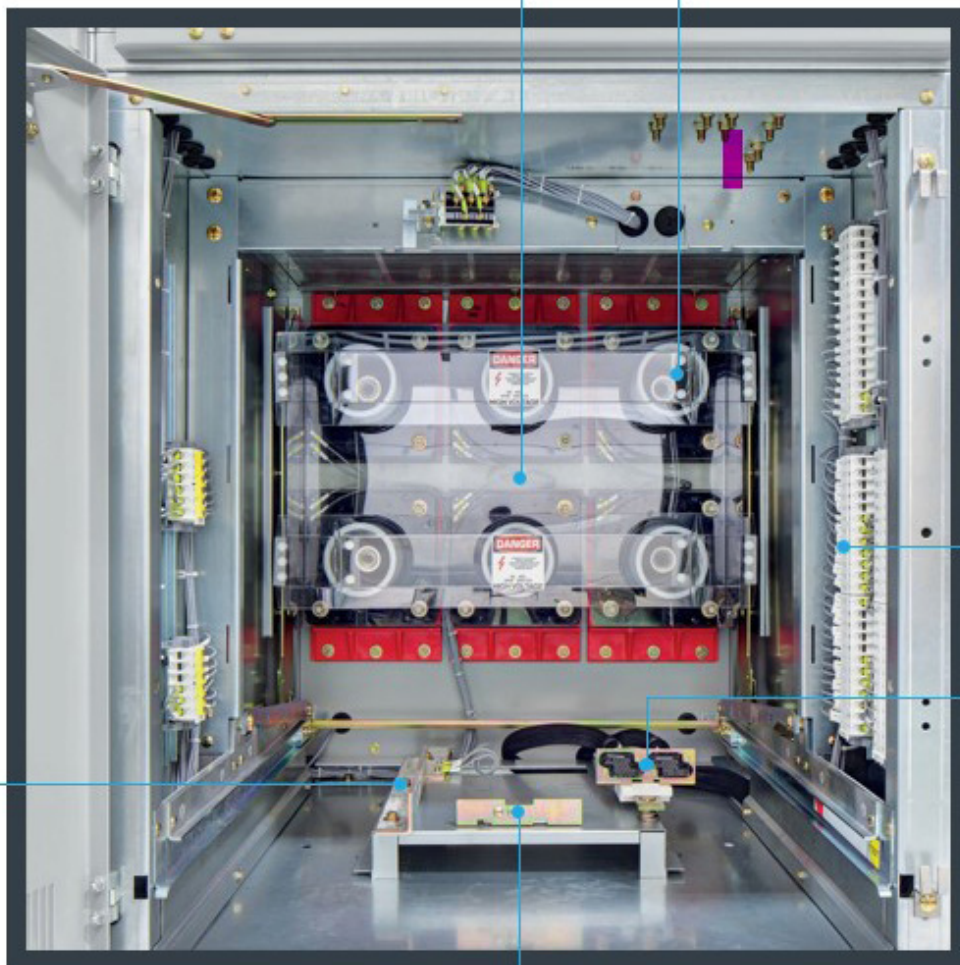
A dual (50-pin) self-aligning secondary disconnect for control circuitry is provided as a standard feature. The female portion resides in the circuit breaker module. Potentially energized contacts are recessed and are touch safe. No manual connection of secondary contacts required.

Primary Shutters:

Primary shutters automatically cover primary contacts when the breaker is not in the connected position. The shutters may be grounded metal or optional Lexan material. Lexan is standard for 27kV applications. Primary shutter opening and closing is forced by circuit breaker movement, rather than relying on springs or gravity. A locking mechanism prevents opening of the shutter when the circuit breaker is removed.

CTs on epoxy bushings

Primary shutters



Terminal blocks

Automatic secondary disconnects

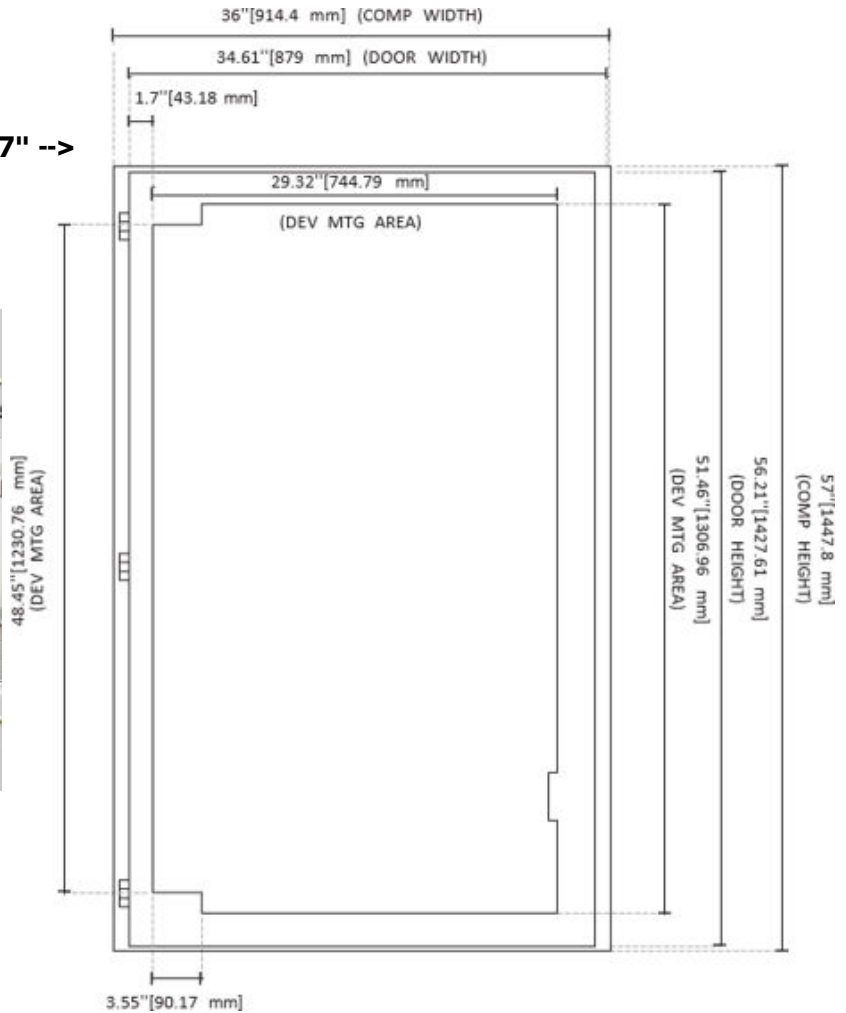
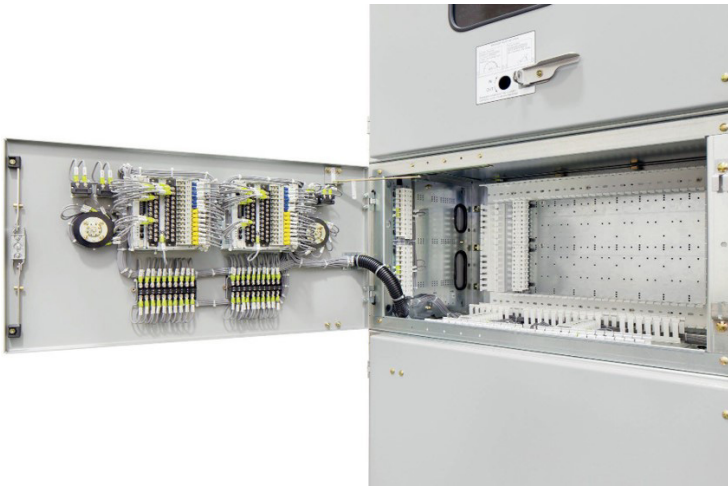
Grounding contact

Interference block

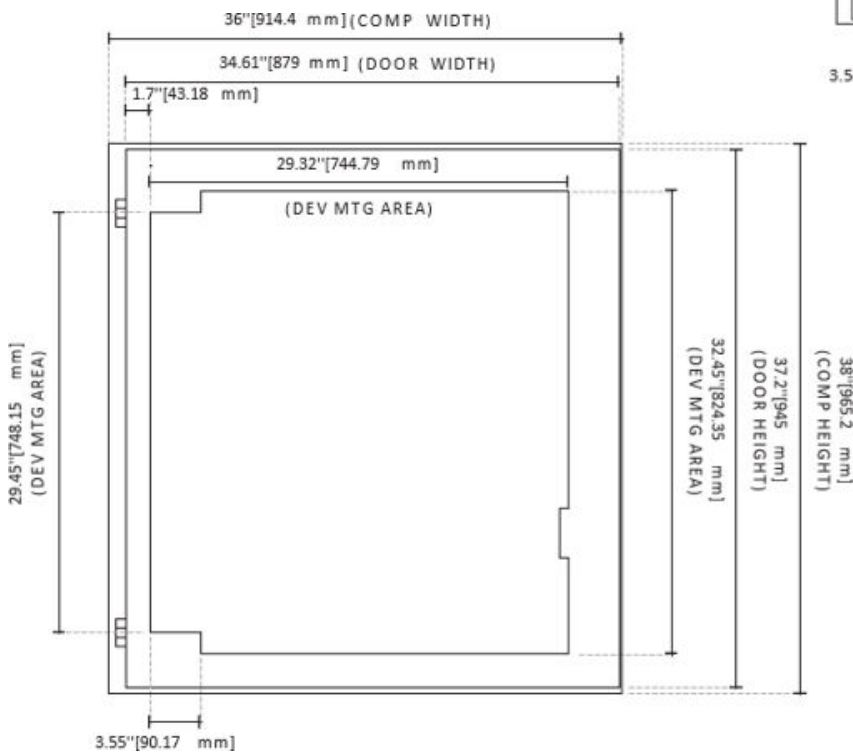
Technical & Application Guide:

Low voltage instrument module isolated for maximum safety when working in with low voltage circuits

LVC door panel 57" -->



--LVC door panel 38"





PowerClad

27kV Metal-Clad
Medium Voltage Switchgear



Help Keep Personnel Safe:

- Safety and protection of personnel and equipment with enclosed mechanism housing and embedded pole technology
- Roll-on-floor (ROF) caster design offers ease of use
- Three position remote motorized racking options available
- Increases safety by reducing personnel time in front of switchgear lineups

Protect Your Assets:

- Built-in truck interlocks for a compact and robust solution
- Pole-embedded vacuum interrupter for enhanced shock, dust, and humidity resistance

Optimizing Investments:

- 5-year warranty
- Lowest maintenance requirements
- Highest quality and short lead times thru automated production process
- 75% lower power consumption accessories for reduced battery bank systems
- Global 24hour Service and support
- Breaker + cassette solutions available for a faster engineering design

Maximize Your Output:

- High number of operations between breaker servicing
- Actuator with a single moving part for increased reliability
- The integrated racking mechanism (truck) is designed to 180 ft. lbs. of torque for increased reliability and reduced maintenance costs

About:

The AMVAC is the next generation of IEEE medium voltage vacuum circuit breaker, utilizing magnetic actuation technology to provide a more reliable and longer lasting solution to the industry. This is made possible by the simplicity of the magnetic actuator design features such as one moving part and built-in safety features and three position electric racking.



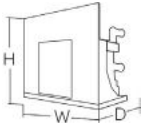


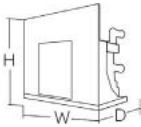
PowerClad

27kV Metal-Clad
Medium Voltage Switchgear



Technical characteristic

Circuit breaker	AMVAC 05			AMVAC 08				
Rated insulation voltage	[kV]	4.76			8.25			
Impulse withstand voltage	[kV]	60			95			
Rated frequency	[Hz]	60			60			
Execution		Fixed / ADVANCE / Safegear			Fixed / ADVANCE / Safegear			
Rated normal current (40 °C)	[A]	1200	2000	3000	1200	2000	3000	
		25	25	25				
Rated breaking capacity and rated short-time withstand current (3s)	[kA]	32	32	32	40	40	40	
		40	40	40				
		50	50	50				
		65	65	65				
Making capacity	[kA]	82	82	82	140	140	140	
		104	104	104				
		130	130	130				
Operation sequence		[O - 0.3 s - CO - 3 min - CO]			[O - 0.3 s - CO - 3 min - CO]			
Interrupting time	[ms]	50-83			50-83			
Closing time	[ms]	35 ... 60			35 ... 60			
Overall dimensions (fixed version)		H	18.68 ...	23.68 ...	23.68 ...	23.17 ...	23.68 ...	23.68 ...
		[inches]	25.1	26.4	27	25.1	26.2	27
		W	27.55 ...	27.55 ...	29.53 ...	27.56 ...	29.53 ...	29.53 ...
		[inches]	31	31	31	31	31	31
		D	15.16 ...	15.16 ...	15.93 ...	15.16 ...	15.93 ...	15.93 ...
		[inches]	26	26	26.1	25.9	26	23.1
Weight	[lb]	410	410	420	410	420	460	

Circuit breaker	AMVAC 15			AMVAC 27			
Rated insulation voltage	[kV]	15			27		
Impulse withstand voltage	[kV]	95			125		
Rated frequency	[Hz]	60			60		
Execution		Fixed / ADVANCE / Safegear / Safegear HD			Fixed / ADVANCE		
Rated normal current (40 °C)	[A]	1200	2000	3000	1200	2000	
		25	25	25	16	16	
Rated breaking capacity and rated short-circuit withstand current (3s)	[kA]	32	32	32	25	25	
		40	40	40	-	-	
		50	50	50	-	-	
		65	65	65	42	42	
Making capacity	[kA]	82	82	82	65	65	
		104	104	104	-	-	
		130	130	130	-	-	
Operation sequence		[O - 0.3 s - CO - 3 min - CO]			[O - 0.3 s - CO - 3 min - CO]		
Interrupting time	[ms]	50	50	50	83	83	
Closing time	[ms]	35 ... 60			35 ... 60		
Overall dimensions (fixed version)		H	18.68 ...	23.68 ...	23.68 ...	24.72 ...	25.47 ...
		[inches]	25.1	26.4	27	26.8	27.4
		W	27.55 ...	27.55 ...	29.53 ...	29.53 ...	29.53 ...
		[inches]	31	31	31	31	31
		D	15.16 ...	15.16 ...	15.93 ...	15.93 ...	15.93 ...
		[inches]	26	26	26.1	25.9	26.1
Weight	[lb]	360 ...	410 ...	430 ...	-	-	
		510	510	510	410	410	



PowerClad

27kV Metal-Clad
Medium Voltage Switchgear



27kV, 125kV walk-in and non walk-in enclosures available



PowerClad

27kV Metal-Clad
Medium Voltage Switchgear



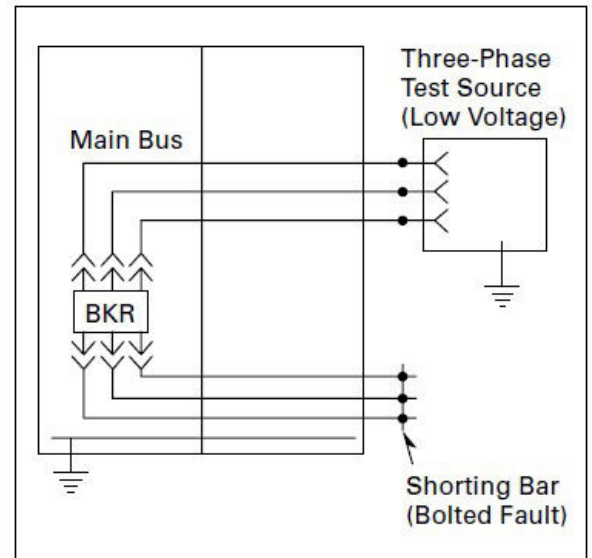
Standard Metal-Clad Switchgear Assembly Ratings

PowerClad-W metal-clad switchgear is available for application at voltages up to 27kV, 50 or 60 Hz. Refer to the table below for complete list of available ratings.

Table 5.6-1. Standard VCP-W (Non-Arc-Resistant) metal-clad Switchgear Ratings Per IEEE C37.20.2-2015 ab

Rated Maximum Voltage	(Ref.) Rated Voltage Range Factor K	(Ref.) Rated Short-Circuit Current I	Insulation Level		Rated Main Bus Continuous Current ③④	Rated Short-Time Short-Circuit Current Withstand (2-Second)	Rated Momentary Short-Circuit Current Withstand (10-Cycle) (167 ms)	
			Power Frequency Withstand Voltage, 60 Hz, 1 Minute	Lightning Impulse Withstand Voltage [LIWV] (BIL)			K*I ⑤	2.7 *K*I ⑥
kV rms		kA rms	kV rms	kV Peak	Amperes	kA rms Sym.	kA Crest	kA rms Asym.
4.76	1	25	19	60	1200, 2000, 3000, 4000	25	68	40
	1.24	29			1200, 2000, 3000, 4000	36	97	58
	1	40			1200, 2000, 3000, 4000	40	108	64
	1.19	41			1200, 2000, 3000, 4000	49	132	78
	1	50			1200, 2000, 3000, 4000	50	135	80
	1	63			1200, 2000, 3000, 4000	63	170	101
8.25	1.25	33	36	95	1200, 2000, 3000, 4000	41	111	66
	1	50			1200, 2000, 3000, 4000	50	135	80
15	1.3	18	36	95	1200, 2000, 3000, 4000	23	62	37
	1	25			1200, 2000, 3000, 4000	25	68	40
	1.3	28			1200, 2000, 3000, 4000	36	97	58
	1	40			1200, 2000, 3000, 4000	40	108	64
	1.3	37			1200, 2000, 3000, 4000	48	130	77
	1	50			1200, 2000, 3000, 4000	50	135	80
27	1	16	60	125	1200, 2000, 2500, 2700	16	43	26
	1	22			1200, 2000, 2500, 2700	22	60	35
	1	25			1200, 2000, 2500, 2700	25	68	40
	1	31.5			1200, 2000, 2500, 2700	31.5	85	51
	1	40			1200, 2000, 2500, 2700	40	108	64
	1	63			1200, 2000, 2500, 2700	63	170	101
38	1	16	80	150 ⑧	1200, 2000, 2500, 3000	16	43	26
	1	25			1200, 2000, 2500, 3000	25	68	40
	1	31.5			1200, 2000, 2500, 3000	31.5	85	51
	1.65	23			1200, 2000, 2500, 3000	35	95	56
	1	40			1200, 2000, 2500, 3000	40	108	64

- The switchgear assembly is designed for use with type VCP-W, VCP-WC and VCP-WG circuit breakers. However, please note that certain VCP-WC circuit breakers may have higher capabilities than required by ANSI standards. In such cases, switchgear assembly ratings as given in this table will apply.
- Switchgear assemblies can be supplied with UL/CSA label. Contact Spike Electric Controls for availability.
- Circuit breaker requires forced air cooling to carry 4000 A at 4.76, 8.25 and 15kV, and 3000 A at 27kV.
- 27kV 2500 A and 2700 A main bus ratings are available in two-high design configurations only.
- Please note that use of certain current transformers (for example, bar type CTs) and protective devices may limit the duration to a value less than 2 seconds.
- These values exceed 2.6*K*I required by IEEE C37.20.2-2015.
- These values exceed 1.55*K*I required by IEEE C37.20.2-2015.
- This is a standard IEEE C37.20.2 rating for 27kV Class of switchgear.



Metal-clad Switchgear Short-Circuit and Momentary Withstand Tests



PowerClad

27kV Metal-Clad
Medium Voltage Switchgear



Unusual & Usual Service Conditions:

Unusual Service Conditions:

Applications of metal-clad switchgear at other than usual altitude or temperature, or where solar radiation is significant, require special consideration. Other unusual service conditions that may affect design and application include:

- Exposure to salt air, hot or humid climate, excessive dust, dripping water, falling dirt, or other similar conditions.
- Unusual transportation or storage conditions.
- Switchgear assemblies when used as the service disconnecting means when used as a means of service disconnection.
- Installations accessible to the general public.
- Exposure to seismic shock.
- Exposure to nuclear radiation.

Usual Service Conditions:

Usual service conditions for operation of metal-clad switchgear are as follows:

- Altitude does not exceed 3300 feet(1000 m).
- Ambient temperature within the limits of -30 °C and +40 °C (-22 °F and +104 °F).
- The effect of solar radiation is not significant.

Applications:

Above 3300 Ft (1006m):

Equipment utilizing sealed interrupting devices (such as vacuum interrupters) does not require derating of rated maximum voltage. The rated one-minute power frequency withstand voltage, the impulse withstand voltage and the continuous current rating must be multiplied by the appropriate correction factor in Table 5.6-4 to obtain modified ratings that must equal or exceed the application requirements.

Table 5.6-2. Derating Factors

Interrupting Current Derating Factors			
50 Hz	25 Hz	16 Hz	12 Hz
None	0.65	0.52	0.45

Note: Intermediate values may be obtained by interpolation.

Above or Below 40 °C Ambient:

Refer to ANSI C37.20.2, Section 8.4 for load current-carrying capabilities under various conditions of ambient temperature and load.

At Frequencies Less Than 60 Hz:

Rated Short-Circuit Current Based on series of actual tests performed on Type VCP-W circuit breakers and analysis of these test data and physics of vacuum interrupters, it has been found that the current interruption limit for Type VCP-W circuit breakers is proportional to the square root of the frequency. Table 5.6-2 provides derating factors, which must be applied to breaker interrupting current at various frequencies.

Rated

Short-Time & Close & Latch Currents:

No derating is required for short time and close and latch current at lower frequency.

Continuous Current:

Because the effective resistance of circuit conductors is less at lower frequency, continuous current through the circuit can be increased somewhat. Table 5.6-3 provides nominal current rating for VCP-W breakers when operated at frequencies below 60 Hz.

Table 5.6-3. Current Ratings

Rated Continuous Current at 60 Hz	Nominal Current at Frequency Below 60 Hz			
	50 Hz	25 Hz	16 Hz	12 Hz
1200 A	1243	1410	1519	1589
2000 A	2075	2374	2573	2703
3000 A	3119	3597	3923	4139



Green Energy Efficient: The PowerClad 27kV Metal-Clad MV Switchgear is designed with energy efficiency at its core, incorporating several features that minimize power usage and enhance sustainability. It employs advanced ABB vacuum circuit breaker technology, renowned for its low power consumption, which significantly reduces the overall energy requirements of the system. Additionally, the switchgear is equipped with accessories that are specifically designed for the lowest possible power consumption, drastically cutting down on the energy used by battery bank systems. Its integrated racking mechanism, which uses only 180 ft-lbs of torque, optimizes mechanical efficiency and lowers the energy needed for operation. Furthermore, the switchgear's 75% reduction in power consumption through its innovative accessories underscores its commitment to energy efficiency, promoting a reduced environmental footprint while maintaining high performance in electrical distribution.



PowerClad

27kV Metal-Clad
Medium Voltage Switchgear



Limited Warranty for ABB Medium Voltage Circuit Breakers, Protection Relays, and Components

1. Overview

Spike Electric Controls, in collaboration with ABB, provides a comprehensive **dual warranty** program for ABB medium voltage circuit breakers, protection relays, and related components. This program extends the standard warranty coverage offered by ABB to ensure superior protection for industrial applications.

2. Warranty Coverage

Medium Voltage Circuit Breakers

- **5-Year Limited Warranty** Spike Electric Controls offers an extended **5-year limited warranty** on all ABB medium voltage circuit breakers. This warranty covers defects in materials and workmanship for five years from the Factory Acceptance Date, providing extended protection beyond the typical industry standard of 1 year.

Protection Relays and Components

- **1-Year Limited Warranty** ABB protection relays, contactors, and other components purchased through Spike Electric Controls are covered under a **1-year limited warranty** for defects in materials and workmanship.

Extended Warranty Options

Customers may purchase extended warranty periods beyond the standard coverage for certain components. For information on extended warranties, please contact Spike Electric Controls for available options and pricing.

3. Preventive Maintenance (PM) Recommendations

Regular preventive maintenance (PM) is crucial to ensuring the long-term reliability and safety of your medium voltage equipment. It is recommended that PM be performed at least **annually or bi-annually**, depending on environmental conditions and equipment usage. According to **ANSI/NETA and IEEE** guidelines, medium voltage switchgear and circuit breakers should undergo visual and mechanical inspections, cleaning, lubrication, and electrical testing at least **every 1 to 3 years**, depending on operational demands and environmental factors.

To maximize your equipment's lifespan and maintain warranty validity, Spike Electric Controls strongly recommends utilizing Spike Field Services for regular PM, at a minimum of twice per year, particularly in harsh or high-usage environments.

4. Exclusions and Limitations

This warranty does not cover:

- Normal wear and tear or cosmetic damage.
- Damage or failure resulting from improper installation, unauthorized repairs, misuse, or neglect.
- Environmental factors outside the product's specifications, such as extreme weather conditions, fire, or water damage.
- Damage caused by electrical surges, power irregularities, or improper maintenance not performed by authorized personnel.

5. Warranty Claim Process

To initiate a warranty claim for Switch Gear or Switchgear Components, please follow these steps:

1. Contact Spike Electric Controls: <https://new.abb.com/channel-partners/partner-details/G10780907>
2. Provide the following information:
 - Product model and serial number.
 - Detailed description of the defect or failure.
 - Proof of installation and the installation date.
3. Spike Electric will coordinate with ABB to assess the issue. If the product is found to be defective under the warranty terms, it will be repaired or replaced at no cost to the customer.

6. Customer Support

For additional support or questions regarding your warranty, please contact Spike Electric Controls at:

Phone: 1.844.279.8295

Email: switchgear@spikeelectric.com



BUY AMERICAN



BUY AMERICAN ACT CERTIFICATE

ATTENTION: Engineers, Channel Partners, Building Officials, and Inspectors

SUBJECT: U.S.A Manufacturing

Spike Electric Controls is committed to American craftsmanship. Every product we offer is manufactured within the United States using raw materials sourced from trusted U.S. steel & copper mills. This commitment not only ensures superior quality but also aligns with the principles of the Buy American Act.

We understand the importance of transparency and are always open to discussing our manufacturing process or the origins of our materials. For any questions or additional information, please feel free to contact me.

Thank you,

Cole Attaway, CEO

Mobile: 832.720.4598

Email: cole@spikeelectric.com

5914 E. Sam Houston Pkwy, Houston TX 77034



PowerClad

27kV Metal-Clad
Medium Voltage Switchgear



Spike Electric Controls
5914 E. Sam Houston Pkwy S.
Houston TX 77034

Toll Free 1.844.279.8295 • Local Factory Support 832.243.5372 • Fax 832.569.5645
sales@spikeelectric.com spikeelectric.com

Copyright © 2024 Spike Electric Controls

Valued Partner Acknowledgment Statement: Spike Electric Controls has partnered with ABB as a Value Add Partner, blending ABB's cutting-edge technology with our expertise in electrical solutions to elevate industry standards. This partnership aims to globally enhance system efficiency, reliability, and sustainability, delivering sophisticated electrification solutions to our customers. Additionally, this alliance includes dual branding of our Switchgear products and extends ABB's warranties through Spike's comprehensive Switchgear solutions, ensuring quality and reliability.