



LV & MV SWITCHGEARS

24 kV Metal-Clad Switchgear



SCOPE

- 1.1 This specification describes the design, manufacture, test, delivery of 24kV high voltage metal clad switchgear.
- 1.2 This specification covers only the general description of the switchgear.

APPLICATION STANDARDS

- 2.1 Each equipment will be designed, manufactured and tested in accordance with the requirements of the current issues of the IEC standards.
- 2.2 This switchgear has been certificated and ensured by according to IEC standard.

Metal clad switchgear	IEC 62271-200
Circuit breaker	IEC 62271-100
Earthing switch	IEC 62271-102
Current Transformer	IEC 61869-2
Voltage Transformer	IEC 61869-3

SERVICE CONDITION

- 3.1 Ambient temperature : Max.40°C, Min.-5°C (without ice and frost)
- 3.2 Humidity : 45% to 85% (without condensation)
- 3.3 Altitude : From sea level up to 1000m
- 3.4 Service location : Indoor (without flammable or corrosive gas, oil and dirt)



Switchgear and VCB Ratings

Classification		24(25.8)kV 12.5kA 630/1250A		24(25.8)kV 16kA 630/1250A	
Model Name		PMW-AIS-MCSG-24			
Applied standard		IEC 62271-200			
LSC (Loss of service continuity category)		LSC2B-PM			
Power Frequency(1min)/ Impulse(1.2x50us)	Main Circuit	50kV/125kV BIL			
	Auxiliary Circuit	2kV/5kV BIL			
Rated short time withstand current	Main Circuit	12.5kA/3s		16kA/3s	
	Earthing Switch	12.5kA/3s		16kA/3s	
Protection Degree		IP4X			
VCB Specification	VCB type	VL-□H13□06	VL-□H13□13	VL-□H16□06	VL-□H16□13
	Rated Current	630A	1250A	630A	1250A
	Phase distance (mm)	210/275		210/275	
	Rated Frequency (Hz)	50/60Hz		50/60Hz	

Classification		24(25.8) kV 25kA 630/1250/2000/2500A				
Model Name		PMW-AIS-MCSG-24				
Applied standard		IEC 62271-200				
LSC (Loss of service continuity category)		LSC2B-PM				
Power Frequency(1min)/ Impulse(1.2x50us)	Main Circuit	50kV/125kV BIL				
	Auxiliary Circuit	2kV/5kV BIL				
Rated short time withstand current	Main Circuit	25kA/3s				
	Earthing Switch	25kA/3s				
Protection Degree		IP4X				
VCB Specification	VCB type	VL-□H25□06	VL-□H25□13	VL-□H25□20	VL-□H25□20	VL-□H25□25
	Rated Current	630A	1250A	2000A	2000A	2500A
	Phase distance (mm)	210/275		210	275	275
	Rated Frequency (Hz)	50/60Hz		60Hz	50/60Hz	