

Medium Voltage Switchgear

High Performance High Voltage
Metal-Clad Switchgear



**Powering the Future with
Precision and Control**

EDMP's medium-voltage metal-clad switchgear is a compact, withdrawable indoor solution designed for three-phase AC systems from 3.6kV to 12kV at 50Hz. Ideal for power transmission and distribution in industrial plants, mining operations, utilities, and secondary substations, it supports single bus and sectionalized configurations. It also delivers reliable control, protection, and monitoring for large high-voltage motors and generator outputs.

Compatible with a wide range of circuit breakers—including imported options like VD3, 4AE, HVX, and locally manufactured VS1 and WEV series—the switchgear offers full flexibility for various operating environments. It can also be equipped with vacuum contactors and fixed-type load switches.



Energy Storage



Features & Functions

Rated Voltage		12kV
Rated Current		630A, 1250A, 1600A, 2000A, 3150A 2500A / 3150A / 4000A
Rated Frequency		50Hz
Rated Insulation Level	Lightning Impulse Withstand Voltage (Full Wave)	75kV (phase-to-phase, phase-to-ground), 85kV (across breaker gap)
	1-Munite Power Frequency Withstand Voltage	42kV (phase-to-phase, phase-to-ground), 85kV (across breaker gap)
	1-Munite Power Frequency Withstand Voltage of Auxiliary Circuit	2KV
Rated Short-Circuit Breaking Current		25kA / 31.5kA / 40kA
Rated Short-Time Withstand Current (4s)		25kA / 31.5kA / 40kA
Rated Peak Withstand Current		63kA / 80kA / 100kA
Rated Short-Circuit Making Current (peak)		63kA / 80kA / 100kA
Internal Arc Classification	Circuit Breaker Compartment	
	Busbar Compartment	40kA / 1s
	Cable Compartment	
Degree of Protection		- Enclosure: IP4X - CB Compartment Door Open: IP2X

Operating Conditions

Item	Specification
Ambient Temperature	-10°C ~ +40°C
Max Daily Temperature Variation	Monthly average relative humidity: ≤%90; Daily average relative humidity: ≤%95
Seismic Intensity	≤ Level 8
Atmospheric Conditions	The surrounding air must be free from corrosive, flammable, or explosive gases.