

# ZiyaoPower KYN28A-12 MV Switchgear

Metal-Clad Withdrawable AC Metal-Enclosed Switchgear

## 1. Application

The **KYN28A-12** is an indoor, metal-clad, withdrawable-type AC metal-enclosed switchgear rated for 3.6~12 kV distribution systems. Industry-standard for power plants, substations, industrial facilities, and commercial buildings. Features four segregated compartments, withdrawable VCB truck, and comprehensive five-prevention interlock.

## 2. Technical Ratings & Certifications

Rated Voltage	3.6 / 7.2 / 12 kV
Rated Frequency	50/60 Hz
Main Busbar Rated Current	1250~4000 A
Branch Busbar Rated Current	630~3150 A
Rated Short-Time Withstand (4s)	16~50 kA
1min Power-Freq Withstand	42 kV
Lightning Impulse Withstand	75 kV
Enclosure Protection	IP4X (enclosure)
Panel Dimensions (WxDxH)	650/800/1000 x 1500/1660 x 2300 mm
Applicable Standards	GB/T 3906, IEC 62271-200, DL/T 404

## 3. Available Models

Model	Rated Current (A)	Short-Circuit (kA)	Width (mm)
KYN28-12/630-25	630	25	650
KYN28-12/1250-25	1250	25	800
KYN28-12/1250-31.5	1250	31.5	800
KYN28-12/1600-31.5	1600	31.5	800
KYN28-12/2000-31.5	2000	31.5	1000
KYN28-12/2500-40	2500	40	1000
KYN28-12/3150-40	3150	40	1000

## 4. Key Features

- 4-chamber design: Busbar / Breaker / Cable / LV compartment, fully segregated
- Drawout VCB truck: service / test / disconnected positions with mechanical interlocks
- Five-prevention interlock system prevents all unsafe operations
- Alu-zinc steel panels, CNC folded and bolted (no welding distortion)
- Upward pressure-relief duct per compartment for internal arc safety
- Integrated anti-condensation heater standard
- Compatible with VS1, VD4, 3AH5, VM1 vacuum circuit breakers

## 5. How to Order

**KYN28A-12/[Ibus]/[Isc]-[Panel Width] [Options]**

Example: KYN28A-12/2500A-40kA-1000mm Rear-Maintenance

- Options: rear-maintenance / front-access, arc-fault vent duct upgrade, digital protection relay integration

## 6. Certifications

- IEC 62271-100 / IEC 62271-200: High-voltage switchgear
- GB 1984 / GB/T 3906 / DL/T 402: Chinese national standards
- ISO 9001: Quality Management System
- CCC: China Compulsory Certification
- Type tested for temperature rise, short-circuit withstand, and internal arc

---

ZiyaoPower Electrical Co., Ltd.

[www.ziyaopower.com](http://www.ziyaopower.com) | [sales@ziyaopower.com](mailto:sales@ziyaopower.com)

This datasheet is for reference only. Specifications subject to change without notice.