



日燭科技有限公司  
JD Auspice Co., Ltd.

# PRODUCT CATALOGUE

## Ring Main Unit

### RMU-24-630A

▼ Application



note: subject to change without any notice, JDA pay no responsibility





## About

The Ring Main Unit (RMU) is a compact design for smart secondary distribution solutions. The RMU is characterised by its high level of operational safety & suitable for applications up to 36kV. It has been designed & developed using State of the Art technology for optimal performance in a range of applications, from diverse industrial requirements to power generation & distribution.

A range of RMUs are provided with proven Vacuum Interrupters along with Numerical Self Powered Relays & accessories like Feeder Remote Terminal Unit to ensure reliability & SCADA compatibility.



## Features

- Robotically welded, 3 mm thick Stainless Steel Gas Tank ensuring leak free operations.
- Compact design for Indoor/ Outdoor applications, without Kiosk.
- Non extensible, Extensible and Modular range including Metering facilities.
- Vacuum Interrupter technology for Circuit Breakers with 3 position disconnecting switches.
- Fully interlocked operation & Padlocking facility to ensure operator's safety.
- Motorised Operations & Easy Integration with SCADA through FRTU for Remote Monitoring & Control.
- Internal arc classified & fully certified as per IEC standards.
- RMU with own make of Vacuum Interrupters & Self Powered Relays.
- Intuitive single line mimic diagram for simple & safe operations.





## Applications

### Building Infrastructure:

- Smart City Projects
- Malls, Shopping Centres, Residential Complexes, Hotels, Data Centres, Stadiums
- Airports, Railways, Ports, Hospitals

### Power Sector:

- Distribution of Power: Ring Network, Underground Cabling
- Renewable Energy: Wind/ Solar Energy

### Industrial Sector:

- Water & Waste Water, Mining, Minerals, Iron & Steel, Cement & Petroleum, Oil & Gas

## Applications

- Self Powered Relay
- Voltage Presence Indicator System (VPIS)
- Fault Passage Indicator (FPI)/ Earth Fault Indicator (EFI)
- SF6 Gas Pressure Manometer
- SF6 Low Gas Pressure Switch
- Multi Function Meters (MFM)
- Motorization kit for automation
- Feeder Remote Terminal Unit (FRTU: USP-020i) for fully Automated RMU
- Modem with Antenna
- Battery with Battery Charger

### Building Infrastructure

### Power Sector

### Industrial Sector

Health



Smart City



Railway



Solar Energy



Underground



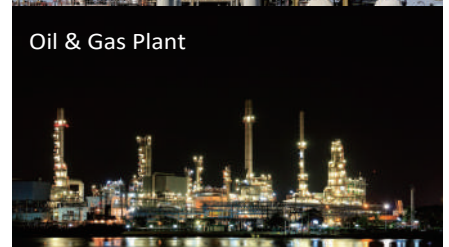
Wind Energy



Steel Plant



Oil & Gas Plant

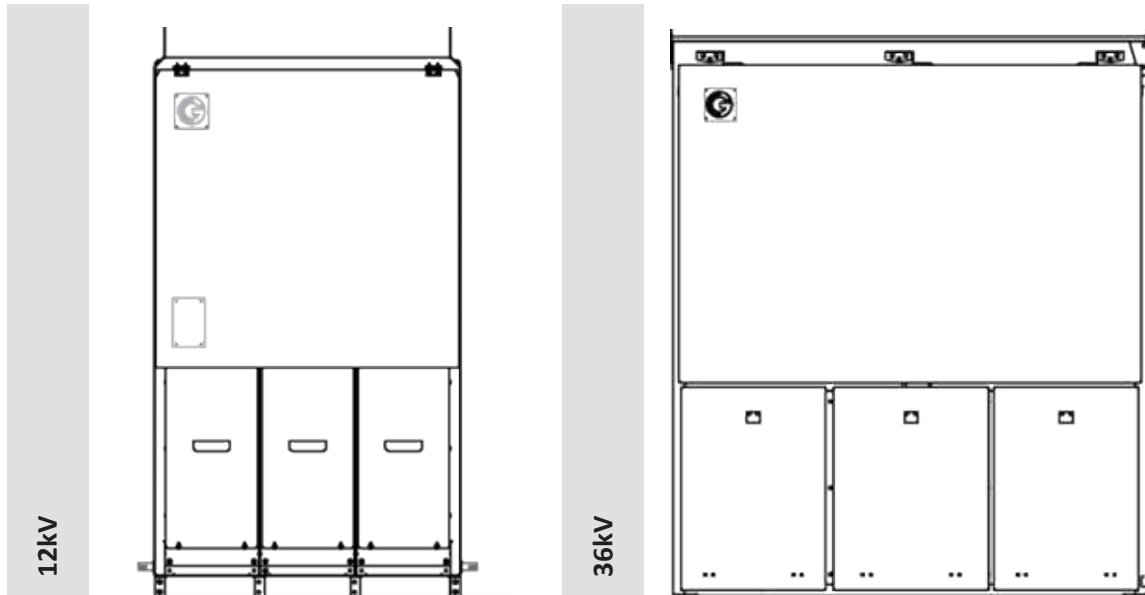


Mining





## Configurations



## Dimensions (in mm)

Description	12kV			36kV		
	W	H	D	W	H	D
Single Way (V/S)	406	955	1086	825	1750	2125
Three Way	1088	955	1086	1750	1750	2125
Four Way	1433	955	1086	2325	1750	2125

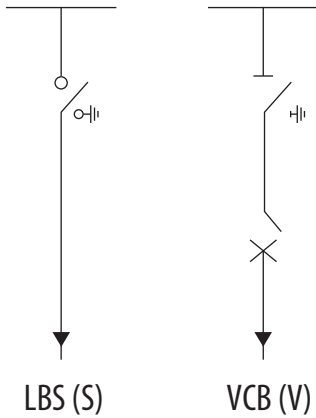
\* Note: Dimensions of the unit may vary as per the features and facilities incorporated.

## Standards Compliances & Certifications

Standard	IEC 62271-100	IEC 62271-102	IEC 62271-103	IEC 60529
Component	Vacuum Circuit Breaker	Earthing Switch	Switch Disconnector	Degree of Protection



## Module Types



**S:** Load Break Switch / Isolator

**V:** Vacuum Circuit Breaker

**Ss:** Busbar Sectionaliser with Switch

**Sv:** Busbar Sectionaliser with Vacuum Circuit Breaker

**D:** Direct Cable Connection

**M:** Metering /PT Panel (Air Insulated)

\*Any combinations can be formed from above modules to meet site requirement.

## Technical Specifications


Characterstics	Value	
<b>Rated Voltage (kV)</b>	12kV	36kV
Rated Current (A)	630 A	630 A
Rated Frequency (Hz)	50 Hz	50 Hz
<b>Power Frequency for 1min</b>		
Between Ph & Ph to earth (kV)	38 kV	70 kV
Isolating Distance (kV)	45 kV	80 kV
<b>Lightning Impulse</b>		
Between Ph & Ph to earth (kVp)	95 kVp	170 kVp
Isolating Distance (kV)	110 kV	195 kV
<b>Rated Short Circuit Current</b>		
Breaking Capacity (kA)	21 kA rms	26.3 kA rms
Making Capacity (kAp)	52.5 kAp	65.75 kAp
Short Time Withstand Current	26.3 kA for 3s	26.3 kA for 3s
Internal Arc- AFLR	21 kA for 1s	26.3 kA for 1s
Operating Duty Cycle for Breaker (Duty Cycle)	O-3min-CO-3min-CO	O-0.3s-CO-3min-CO
<b>IP Rating</b>		
Main Tank	IP 67	IP 67
Enclosure	IP 54	IP 54
<b>Cable Termination (LBS/ VCB)</b>	Front Bottom	Front Bottom

NOTE: CG continuously strives to improve its products & services. The technical information included in this document is subject to change without any notice.




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