

REC green gas insulated RMU

Compliant with IEC international power equipment standards



12kV 630A

Pure Dry Air Insulation Zero GHG Emissions EU-Regulation Compliant

Fully Sealed Maintenance-Free Against Environmental Interference Lower O&M Costs

Compact Design Small Footprint Space-Efficient

Modular Layout For On-Site Cabinet Connection & Metering Expansion



Provided customized manufacture

Whole solutions for design, assembly, test...

Accountable solution for safety and reliability

Wide range offering, easy business and convenient installation

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Specification of 12 kV green gas insulated RMU

General

Item	Unit	Parameter Value
Rated voltage	kV	12
Impulse withstand voltage	kV	75/85
Power frequency withstand voltage	kV-1m	42/48
Rated frequency	Hz	50
Internal arc resistance (IAC)	kA/s	AFLR 20/1
Partial Discharge	pC	≤10 (1.1Ur)
Protection degree-Gas tank	-	IP67
Protection degree-Whole panel	-	IP41
Green gas (Dry air)	-	Water content ≤300ppm
Rated gas pressure (20 °C gauge)	Mpa	0.02
Min. function gas pressure (20 °C Gauge)	Mpa	0
Annual leakage	-	≤0.05%

Busbar system

Item	Unit	Parameter Value
Rated current	A	630
Rated short-time withstand current	kA/s	20/4
Rated peak withstand current	kA	50

Load break switch

Item	Unit	Parameter Value
Rated current	A	630
Rated short circuit making current	kA	50
Rated short time current	kA/s	20/4
Rated cable charging break current	A	10
Main switch mechanic endurance	-	M2 10000 times
3-postion disconnecter mechanic endurance	-	M1 3000 times

Load break switch electrical life	-	E3 200 times
Earthing making (By vacuum interrupter)	-	5 times

Circuit breaker

Item	Unit	Parameter Value
Rated current	A	630
Rated breaking current	kA	20
Rated short circuit making current	kA	50
Rated cable charging break current	A	25
Main switch mechanic endurance	-	M2 10000 times
3-position disconnecter mechanic endurance	-	M1 3000 times
Circuit breaker electrical life	-	30 times
Rated short time current	kA/s	20/4
Switching sequence	-	O-180s-CO-180s-CO or O-0.3s-CO-180s-CO
Earthing making (By vacuum interrupter)	-	5 times

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