

24 kV SF6-Free GIS for Secondary Distribution

Compact RMU Delivering Reliable Green Power Distribution



NGH7-24 2.0

With enhanced functionality in a smaller design, CHINT’s new 24 kV Eco-friendly RMU offers an optimized solution for upgrading urban ring networks, renewable substations, and futureproof infrastructure—meeting your key needs for performance, compliance, reliability, and sustainability.



Eco-Friendly & Low-Carbon Design

SF6-free dry air insulation with GWP=0. Bio-based materials further support sustainable grid development, reducing carbon emissions by ~30kg per unit.



High Reliability

Optimized insulation design ensures stable switching and insulation performance even at gas leakage conditions at rated voltage.



Space Saving Solution

Compact dimensions (780D x 1400H) allow easy retrofit into existing SF6 switchgear layouts, and is equally suited for other space-constrained installations.

Key Specifications

Unit Function	Unit	Load Break Switch Unit (C)	Circuit Breaker Unit (V)	Switch-Fuse Combination Unit (F)
Rated Voltage	kV	24		
Rated Current	A	630	630	200
Rated Frequency	Hz	50 / 60		
Short Duration Power Frequency Voltage (1 min)	kV	50 / 60		
Lightning Impulse Voltage	kV	125 / 145		
Short Time Withstand Current	kA/s	21/3	21/3	-
Peak Withstand Current	kA	54.6	54.6	-
Short Circuit Breaking Capacity	kA	-	21	21
Short Circuit Making Capacity	kA	54.6	54.6	54.6
Circuit Breaker Endurance	-	-	E2-M2-C2	-
Load Break Switch / Disconnecter Endurance	-	E3-M2-C2	M1	E3-M2
Earthing Switch Endurance	-	E2-M1	E2-M1	E2-M0
Operating Sequence	-	-	0-0.3s-CO-15s-CO	-
Internal Arc Classification	kA/s	AFLR 21/1		
Insulation Gas	-	Dry air		
Rated Functional Pressure (20°C Rel.)	MPa	0.08		
Protection Degree (Gas Tank / Enclosure)	-	IP67 / IP4X		
Gas Leakage Rate Per Year	%	≤ 0.1		
Dimension of Modular Unit (Width*Depth*Height)	mm	400*780*1400	420*780*1400	415*780*1400
Width of CCV/CCF Compact Units	mm	1120		

Application Scenarios



Power distribution



Renewable energy



Infrastructure