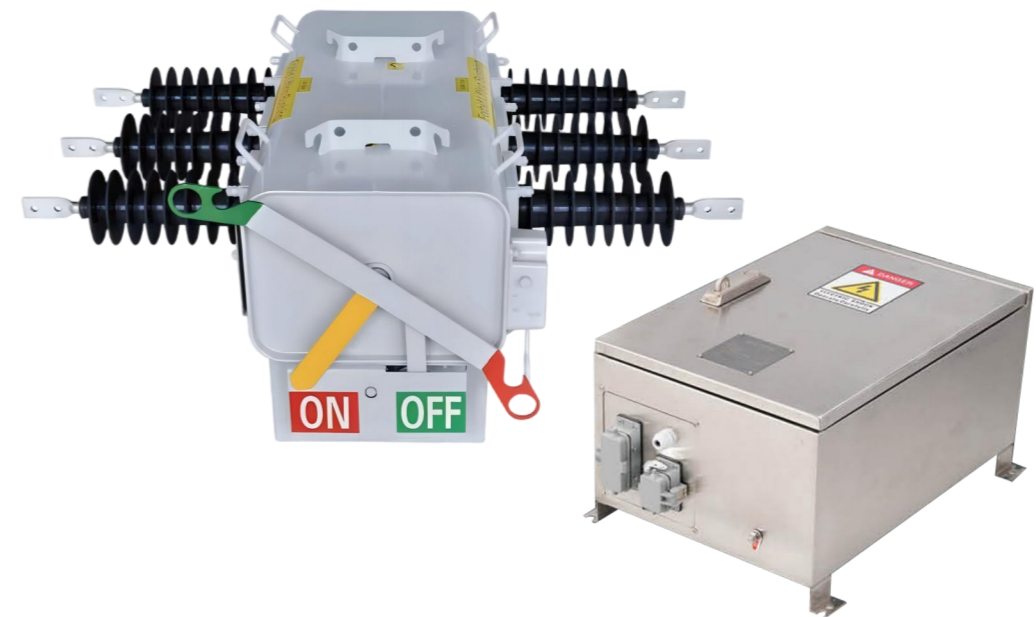


POLE-MOUNTED SF6 LOAD BREAK SWITCH



Product Overview

The CYFLW series pole-mounted SF6 load break switch serves as core outdoor equipment for 10-35kV distribution networks, suitable for urban branches, rural grids, industrial parks, and renewable energy integration. Designed to withstand harsh conditions like high altitude, salt fog, and humidity, it allows flexible pole-mounted installation for segmenting, interconnection, or feeder control.

This switch interrupts load and overload currents with manual/electric operation. Its integrated smart controller enables real-time monitoring of voltage, current, SF6 density, and contact position. By coordinating with circuit breakers, it ensures rapid fault isolation and self-healing, significantly reducing maintenance costs.

Product Features

► **Excellent electrical performance**

The interior of the gas tank is filled with SF6 gas, featuring an arc-extinguishing time of $\leq 10\text{ms}$ (1/2 cycle) and excellent insulation recovery performance.

► **Safe and Reliable**

The switch can maintain excellent insulation capacity and breaking capacity even under zero gauge pressure. Its outer shell is made of corrosion-resistant and robust materials, meeting the requirements of the 96-hour salt spray test. It is equipped with low air pressure interlock and manual interlock to ensure the safety of operation and maintenance personnel.

► **Fault rapid isolation**

With a spring-operated mechanism that ensures a closing time $<60\text{ms}$ and an opening time $<40\text{ms}$, the switch fulfills the critical need for protection grading coordination within the distribution network.

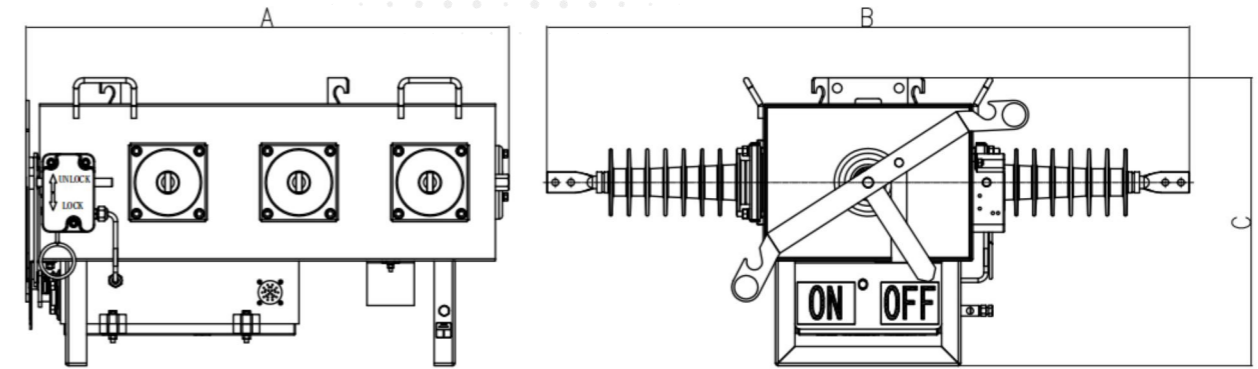
► **Intelligent operation and maintenance**

The smart controller works in concert with voltage and current sensors to upload real-time operational data, enabling the system to automatically identify and rapidly isolate faulted sections on the distribution line.

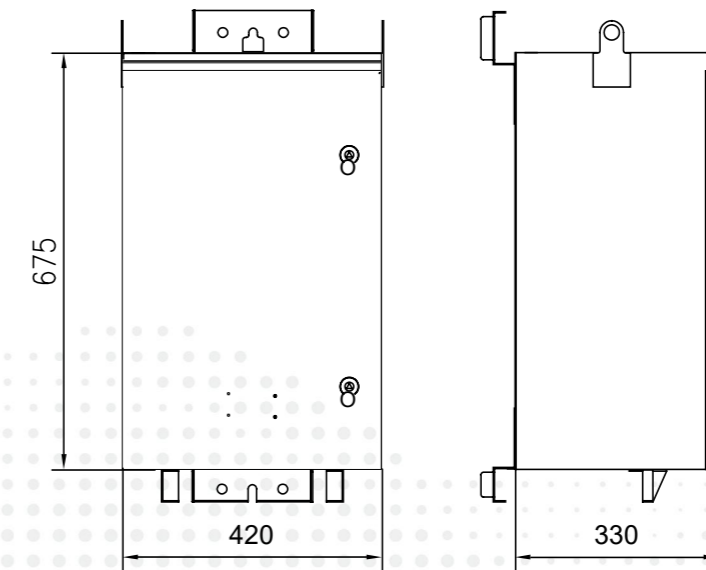
Technical Parameters

No	Item	Unit	Parameters		
1	Rated voltage	kV	12	24	36
2	Rated Frequency	Hz	50		
3	Rated Frequency	A	630		
4	Power-Frequency Withstand Voltage (1 min)	kV	48	79	110
	Lightning Impulse Withstand Voltage (Peak)		85	145	215
5	Rated Breaking Current	A	630		
6	Rated Short-Circuit Making Current	kA	50		
7	Rated Short-Time Withstand Current (4s)	kA	20		
8	Rated Peak Withstand Current	kA	50		
9	Mechanical Endurance	times	10000		
10	Ingress Protection (IP) Rating		IP67		

Overall Dimensions



(Load Break Switch Dimensions)



FTU dimensions

	A(mm)	B(mm)	C(mm)
12/24kV	920	1234	545
36kV	1206	1725	545

Typical Applications

