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# TXGN6-12 Inflatable switch cabinet

## Product characteristics

Reinforced insulating products

Customizable high altitude

## TXGN6-12

### Inflatable switch cabinet

#### Outline

The switch cabinet is modular unit mode, which can be combined according to different uses, and is composed of fixed units and extensible units to meet the need of flexible use of compact switch cabinet in various substations.

TXGN6-12 inflatable switch cabinet is a completely sealed system. All of its live components and switches are enclosed in the stainless steel shell, the whole switch device is not affected by the external environment conditions, so it can ensure the operation reliability and personal safety, and realize the feature of maintenance-free. By selecting extensible busbar, any combination can achieve full modularization. Extended busbar safety insulation and shielding to ensure high reliability and security. TXGN6-12 type inflatable switch cabinet can also provide TV automation solution, form the concept of intelligent switch, and minimize the workload of field installation and debugging.

TXGN6-12 type inflatable switch cabinet is non-extensible standard configuration and extensible standard configuration. Because of the combination of full module and half module and its own expansibility, it has very special flexibility.

TXGN6-12 type inflatable switch implements GB standard.

The design life under indoor conditions (20 ?) exceeds 30 years.

#### Product model and meaning

T XGN6 - 12 - 630

Rated current

Rated voltage

Inflatable type switch cabinet

Enterprise Code (TENPRO Power Technology)

## Design feature

1. TXGN6-12 series inflatable cabinet SF6 gas as arc extinguishing and insulation medium.
2. Switch cabinet is fully sealed, fully insulated; busbar, switch and live parts are safely enclosed in stainless steel shell
3. The chamber is filled with SF6 gas of 1.4bar, and the protection grade is up to IP67:. The whole switch device is completely free from the influence of external environmental conditions. Even under extreme conditions such as transience water immersion, the switch can be operated normally and the product can be maintenance-free for life.
4. The switch cabinet has a perfect "five prevention" interlocking device, which can completely eliminate the personnel and equipment malfunction caused by human error.
5. All switch cabinets have reliable safe pressure relief channels, even in extreme cases to ensure the personal safety of operators.
6. Switch cabinet is divided into fixed unit combination and extensible unit combination.
7. Switch cabinets are usually fronted in and out of the line, and can also be installed in different locations to achieve side outlet or side expansion
8. The size of the cabinet is convenient to install and can be suitable for the small space and the poor environmental conditions.
9. Switch cabinet can be configured electric, remote control and detection devices according to the different needs of users.

## Technical parameter

		C module load switch	F module combined electrical equipment	V module		CB module	
				vacuum switch	Isolation / grounding switch	vacuum(cir cuit)break er	Isolation / grounding switch
Rated voltage	KZ	12	12	12	12	12	12
Rated frequency	HZ	50	50	50	50	50	50
Power frequency withstand voltage (same / broken)	kV	42/48	42/48	42/48	42/48	42/48	42/48
Lightning fre quency withstand voltage	kV	75/85	75/85	75/85	75/85	75/85	75/85
Rated current	A	630	?1?	630		1250/630	
Breaking capacity							
Rated closed-loop breaking current	A	630					
Rated cable	A	10					

charging and breaking current							
Rated short-circuit making current(peak)	A	50					
Rated peak withstand current	kA	50					
Rated short-time withstand current	kA/35	20					
Rated short-circuit breaking current	kA		31.5	20		25	
Rated transfer current	A		1700				
Maximum current of fuses	A	-	125				
loop resistance	-n	?300	?600				
Mechanical life	times	5000	3000	5000	2000	5000	5000

Product link : <https://www.onlinemadeinchina.com/?p=1228>