



高低压成套产品 High and low voltage complete sets of products

ZGS COMBINED SUBSTATION (AMERICAN TRANSFORMER)

01 Product introduction

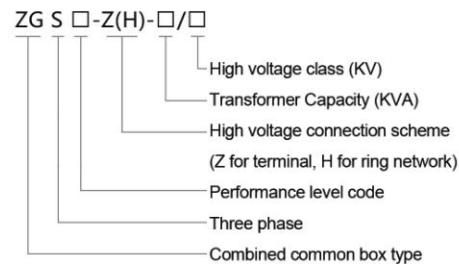
ZGS series combined transformer is a new type of distribution equipment (also known as American box transformer), is the high voltage load switch inserted into the fuse, the high voltage current limiting fuse installed in the transformer box, with mineral oil for insulation and cooling. It has reasonable and compact structure, small size and flexible installation. Easy to operate, small footprint and other advantages. The combined transformer is especially suitable for the load center of the urban power grid, reducing the loss and improving the quality of power supply. This series of products has been widely used in residential areas, public places, industrial and mining enterprises and other power distribution places throughout the country.



02 Product characteristics

- (1) Small size, compact structure, easy installation.
- (2) For ring network or terminal, easy to convert
- (3) Low loss, low noise, superior performance.
- (4) Has the characteristics of isolation switch, easy to operate, flexible.
- (5) High voltage double fuse protection Insert fuse has temperature and current dual sensitivity Protective features.
- (6) Low temperature rise, strong overload capacity.
- (7) The transformer body adopts a special structure, high voltage quality, and small neutral offset.

03 Type description



04 Technical parameter

ID	Item	Unit	High voltage electrical apparatus	Transformer	Low-voltage electrical apparatus
1	Rated voltage	KV	6; 10	6/0.4; 10/0.4	0.4
2	Rated capacity	KVA		I 型200~1250 II 型50~400	
3	Rated current	A	630		100~2000
4	Rated breaking current	A	Load switch 630A		15~63
		KA	Combined appliances depend on the fuse		
5	Rated short-time withstand current	KA	20×2	200~400KVA	15×1
			12.5×4	>400KVA	30×1
6	Rated peak withstand current	KA	31.5; 50	200~400KVA	30
				>400KVA	63
7	Rated closing current	KA	31.5; 50		
8	Power frequency withstand voltage (1min)	KV	Relative to each other 42	oil-immersed 35	≤300V, 2
			Isolation fracture 48	dry-type 28	>300V, 2.5
9	Lightning impulse withstand voltage	KV (Peak value)	Relative to each other 75		
			Isolation fracture 85		
10	Case protection class		IP3X	IP2X	IP30
11	Noise level	dB		oil-immersed <55	
					dry-type <65

Note: When the transformer capacity is less than 200KVA, items 5 and 6 are not required.

05 Scene application

