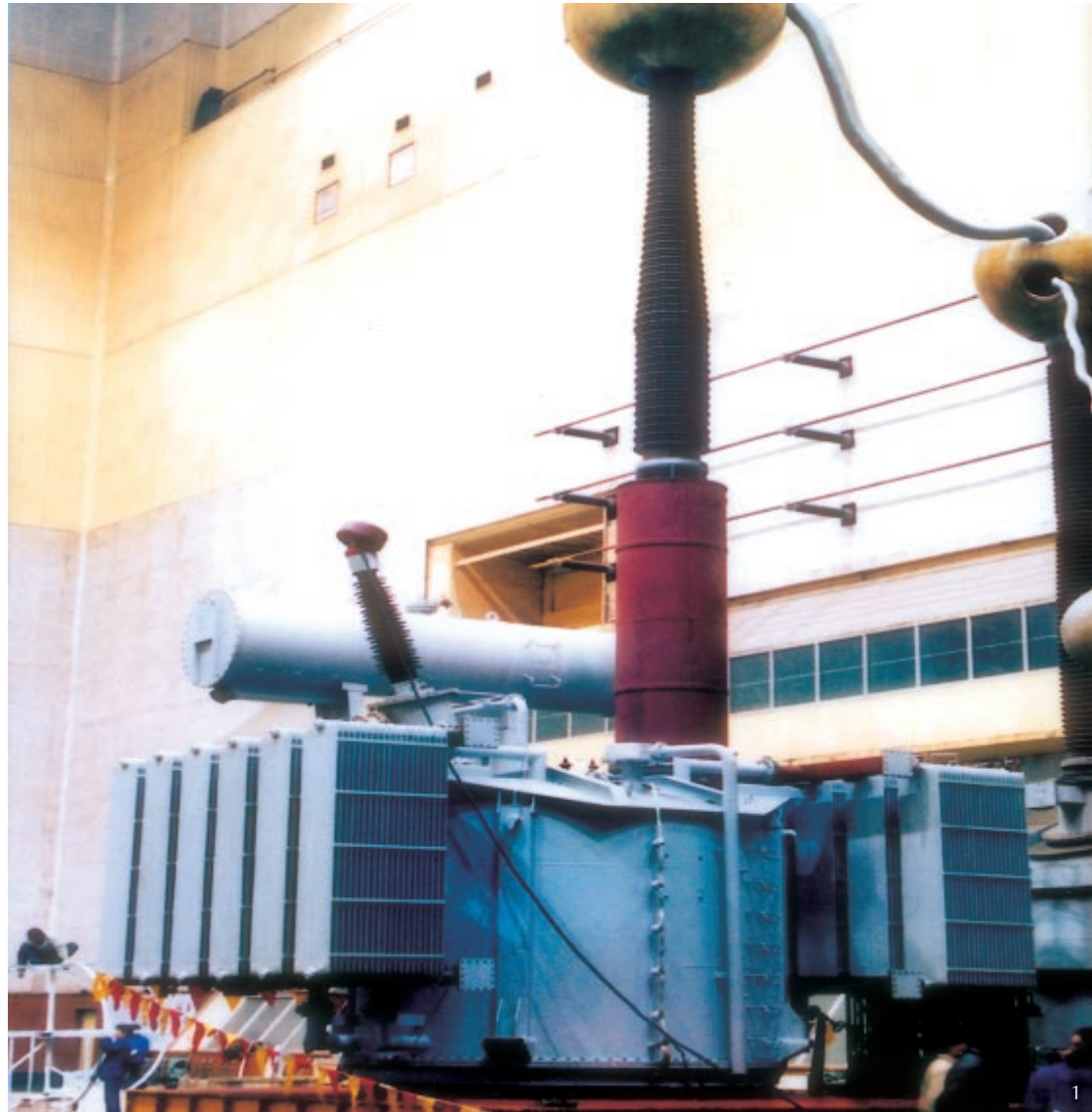
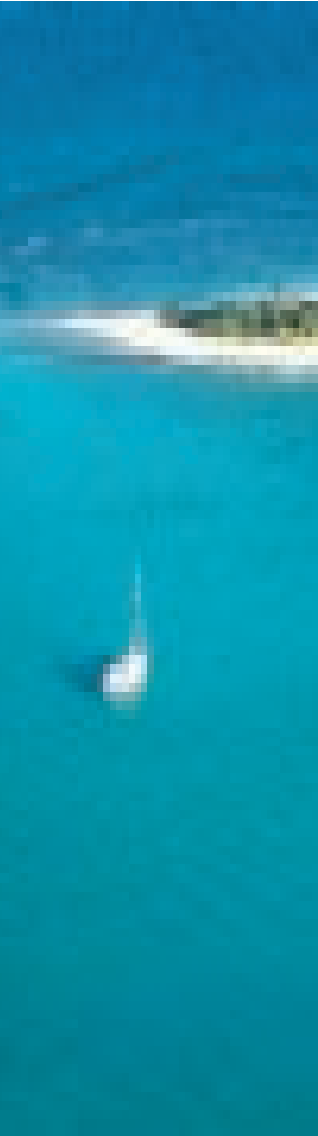


REACTOR



Main characteristics

As the main product of the company, 500 kV shunt reactor has reasonable structure and mature and advanced technique. The product now has been developed to the fourth generation. At present, more than 300 units of the reactors are operating on the electric network all over the country, such as Gezhouba hydraulic power plant, Three Gorges project and the project of “power of western area transmit to eastern area”, etc. Besides the adoption of core structure with yoke frame, the reactor has the following advantages:

- Low total losses. Total losses of each unit have been lowered to below 100kW.
- No partial overheating.
- Low noise and small vibration, high reliability, all the values of performance are better than the same type of products at abroad.

Main reactors

- HV, LV single-phase or three-phase shunt reactor
- Neutral earthing reactor
- Arc-suppression winding
- Limiting current reactor
- Filtering reactor
- Damp reactor, etc.

Shunt reactor

- Main voltage class: 10~35kV, 66~500kV
- Series of capacity: 5kvar, 10Mvar, 20Mvar, 30 Mvar, 35 Mvar, 40 Mvar, 45Mvar, 50 Mvar, 60 Mvar.

Director of the development of the reactor

XD now is making efforts to research and develop 800 kV ultra - high voltage shunt reactor, high voltage AC controllable reactor, shunt reactor with additional winding (drawing - energy winding), three - phase ultra-high voltage shunt reactor, neutral earthing reactor for main transformer, arc - suppression winding, etc., which will meet all the requirement of customers.

1. BKD-40 Mvar/500kV shunt reactor operating in Dachaoshan, Yunnan, China
2. BKD-20 Mvar/330kV shunt reactor operating in Gansu, China
3. BKS-45 Mvar/35kV shunt reactor operating in Anhui, China
4. BKD-50 Mvar/500kV shunt reactor operating in Hebei, China
5. AC controllable reactor
6. BKS-5 Mvar/132kV shunt reactor, Pakistan
7. BKD-60 Mvar/500kV shunt reactor for Fuzhou Power Bureau, China
8. XKD-700 Mvar/154kV neutral earthing reactor operating in Fengzhen, Inner Mongolia China

