



## YBW33JV Combined Type Transformer Substation

### Substation series

#### YBW33KV Model and meaning



#### YBW33KV Technical data

Model	Rated voltage(kV)	Rated capacity(kva)	Change(KV/KV)
S27	33	400-20000	33/11, 33/6.3, 33/0.4
S29	33	400-20000	33/11, 33/6.3, 33/0.4

#### YBW33KV Use environmental conditions

- Altitude:  $\leq 1000\text{m}$ ;
  - Ambient temperature:  $+40^{\circ}\text{C} -25^{\circ}\text{C}$  ;
  - Relative humidity: Daily average  $\leq 95\%$ , monthly average  $\leq 90\%$ ;
  - Abnormal severe vibration or impact;
  - Environment for installation: Indoors, no fire or explosion danger, no corrosive gas or dust, no sharp impact.
- Note: Please negotiate with us if your product is used beyond the range of above conditions.

#### YBW33KV Structural features

- This transformer substation is made up of HV switch compartment, LV switch compartment, relay protection compartment and transformer compartment. Enclosures of HV switch compartment, LV switch compartment and relay protection compartment can be made of aluminum alloy plate, steel plate or composite plate. Aluminum alloy plate is anodic oxidation treated to strengthen its corrosion stability. Steel plate and steel structured parts are all phosphating treated, and the composite plate is featured with vivid appearance, heat insulation and fire retardation. The transformer compartment is arranged with safeguard protecting net but not enclosed enclosure, which not only guarantees better thermal diffusivity, but also is able to insure person and equipment against accident.
- HV switch compartment The HV switch compartment can be mounted with JYNI-35, KYNI0-35 switchgear or 35KV load switch. Aerial cable type is available for mounting 35KV inlet and outlet wire.
- LV switch compartment
  - When it is 10KV at LV side, the LV switch compartment can be mounted with XGN2-10, KZNI-12 and KYNI-12 switchgear, HXGN1-10F, HXGN26-10(F) Ring main unit
  - When it is 0.4KV at LV side, the LV switch compartment (no preparation of LV switchgear in consideration of space saving) can be mounted with DW15T series, ME series, M series and F series frame type circuit breaker as well as DZ20 series, CM series, H series and S series molded case air circuit breaker.
- Power-off protection compartment The power-off protection compartment is mounted with AC panel, DC panel, signal panel, protection panel, motion control panel(RTU), carrier wave machine panel or optical fiber termination set.  
Note: This transformer substation can adopt general relay protection, also microcomputer-based integrated automatic control system is available on request.
- Refer to the diagram for plan layout and vertical plane layout of transformer substation of 35KV.

#### YBW33KV Internal structure

