

YB Series Prefabricated Substation

Compact structure, highly integrated,
Reliable operation, aesthetic appearance
Preferred complete distribution
transformation and substation assembly
for urban and rural power grids



PCCC
Product

Nomenclature	YB  -  /  - 				
Product Overview	Prefabricated Substation Combined/Package Type Structural Layout M: In-line layout → P: T-shaped layout Max System Operating Voltage (HV side, kV) Rated LV Voltage (kV) Rated Capacity (kVA)				
Product Features	<p>1 All equipment is supplied as a single complete set by the manufacturer, eliminating the need for further procurement by the user. Design, manufacturing, final assembly, and secondary wiring are all completed within the factory. After passing type tests and factory inspection tests, the units can be safely and smoothly transported as a whole to the user's site. The system features high integration, compact volume, reduced footprint, flexible site selection, fast and convenient installation, a short commissioning cycle, a clean and aesthetic appearance, and strong environmental adaptability with the ability to harmonize with the surrounding environment.</p> <p>2 Able to penetrate deep into medium-voltage load centers, reducing network losses and improving power supply quality.</p> <p>3 Saves capital and manpower with low investment and fast results; requires no civil engineering investment, eliminates the need for on-duty personnel, provides long maintenance intervals, and improves safety and operational reliability.</p> <p>4 Adapts to the requirements of modern urban underground cabling projects. When the substation is no longer needed at a specific site, it can be relocated and reused, eliminating repetitive investment.</p>				
Operating Conditions	1 Installation: Outdoor	7 Min ambient temperature: -25°C (Outdoor)	13 Relative humidity: Max monthly average: 90% (20°C) Max daily average: 90% (20°C)		
	2 Altitude: <1000m (Customizable for high altitude products)	8 Pollution level: Class III			
	3 Max ambient temperature: +40°C	9 Rain proof level: Grade 3	14 Seismic resistance: Ground horizontal acceleration: 0.2g Ground vertical acceleration: 0.1g		
	4 Max monthly average temperature: +35°C	10 Maximum daily temperature difference: 25°C			
	5 Max annual average temperature: +20°C	11 Solar radiation intensity: 0.1w/cm2 (0.5m/s)	15 Executive Standards: GB/T17467 High-voltage/low-voltage prefabricated substation		
	6 Protection rating: IP33D, IP54	12 Inclination of installation site: Not more than 3 degrees			