XT-YB Package Substations (Box-Type Substations) — Datasheet

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Factory-assembled package substations that combine high-voltage switchgear, a distribution transformer and low-voltage distribution in a single transportable enclosure, for rapid deployment at industrial parks, commercial sites and infrastructure projects.

Features

- Complete substation in one enclosure — HV switchgear, transformer and LV distribution factory-assembled as one unit.
- Two layouts — European three-compartment style or American pad-mounted style.
- Oil-immersed transformer — S11 low-loss transformer, Dyn11, ONAN cooling.
- Steel enclosure — sheet-steel housing with powder coating; colour to order.
- Project configuration — HV switch type, transformer capacity and LV outgoing ways configured to your single-line diagram.

Common Specifications

Item	Specification
HV side	10 kV class
LV side	0.4 kV
Connection group	Dyn11
Cooling	ONAN (oil-immersed)
Installation	Outdoor, floor-standing

Models & Variants

Model	Capacity	Type	Voltage HV / LV	Footprint L x W x H (mm, approx.)
XT-YB-315-E	315 kVA	European style, three compartments	10 kV / 0.4 kV	4200 x 2300 x 2500
XT-YB-630-E	630 kVA	European style, three compartments	10 kV / 0.4 kV	4800 x 2500 x 2600
XT-YB-315-A	315 kVA	American style (pad-mounted)	10 kV / 0.4 kV	2200 x 1800 x 1800
XT-YB-630-A	630 kVA	American style (pad-mounted)	10 kV / 0.4 kV	2600 x 2000 x 1900

Model Meaning

XT-YB--: capacity is the transformer rating in kVA; E is the European style with separate HV, transformer and LV compartments; A is the American pad-mounted style with an integrated layout. Example: XT-YB-630-E is a 630 kVA European-style package substation. Other capacities and voltage classes are built to order.

Service Conditions

For outdoor floor-standing installation on a prepared concrete foundation. Standard rating: HV 10 kV class, LV 0.4 kV, connection group Dyn11. Protection class designed per IEC 60529 (tested on request).

Packing & Shipping

Shipped as a complete unit with lifting points, in wooden-case protection or secured open packing for flatbed transport.

Customisation

Capacity, voltage class, HV switchgear type, LV outgoing configuration and enclosure colour are configured per project.

Note: standard design parameters are shown; final dimensions and configurations are confirmed at quotation. This datasheet is product literature, not a test certificate. Test reports and third-party testing can be arranged on request.