

QDTB® TRANSFORMER

YB

Box-Type Substations

PRODUCT DATASHEET

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YB — Series Overview

The YB series prefabricated substations integrate transformer, HV/LV switchgear into a single compact enclosure. Equipped with S13 energy-efficient transformers for reduced no-load losses, suitable for urban power distribution, industrial parks, and residential areas.

Key Features

- Factory-assembled compact design for rapid deployment
- S13 energy-efficient transformer with reduced no-load losses
- Integrated HV/LV switchgear and protection systems
- Suitable for capacities from 100kVA to 800kVA

Typical Applications

- Urban residential power distribution
- Industrial parks and factories
- Commercial building complexes
- Temporary construction power supply

Model Number Breakdown

- Y — Prefabricated substation (Yuzhuangshi)
- B — Box-type integrated enclosure

Model Specifications

48 model(s) in the YB series. Weight and dimensions are typical reference values, subject to confirmation.

Model	Transformer Capacity	HV Unit Voltage	LV Unit Voltage	Protection Level	Temp. Rise (K)	Standard	Weight (kg) †	Dimensions (L×W×H) †
YB-12/0.4-100	100 kVA	12 kV	0.4 kV	IP33	65	GB/T 17467, IEC 61330	1800 kg	1500×1200×1800 mm
YB-12/0.4-100-s11	100 kVA	12 kV	0.4 kV	IP33	65	GB/T 17467, IEC 61330	1800 kg	1500×1200×1800 mm
YB-12/0.4-160	160 kVA	12 kV	0.4 kV	IP33	65	GB/T 17467, IEC 61330	2000 kg	1500×1300×1800 mm
YB-12/0.4-160-s11	160 kVA	12 kV	0.4 kV	IP33	65	GB/T 17467, IEC 61330	2000 kg	1500×1300×1800 mm
YB-12/0.4-200	200 kVA	12 kV	0.4 kV	IP33	65	GB/T 17467, IEC 61330	2300 kg	1700×1350×1900 mm
YB-12/0.4-200-s11	200 kVA	12 kV	0.4 kV	IP33	65	GB/T 17467, IEC 61330	2300 kg	1700×1350×1900 mm
YB-20/0.4-200	200 kVA	20 kV	0.4 kV	IP33	65	GB/T 17467, IEC 61330	2300 kg	1700×1350×1900 mm
YBW-12/0.4-200	200 kVA	12 kV	0.4 kV	IP33	65	GB/T 17467, IEC 61330	2300 kg	1700×1350×1900 mm
YB-12/0.4-250	250 kVA	12 kV	0.4 kV	IP33	65	GB/T 17467, IEC 61330	2500 kg	1800×1400×2000 mm
YB-12/0.4-250-s11	250 kVA	12 kV	0.4 kV	IP33	65	GB/T 17467, IEC 61330	2500 kg	1800×1400×2000 mm
YB-12/0.4-315	315 kVA	12 kV	0.4 kV	IP33	65	GB/T 17467, IEC 61330	3000 kg	2000×1500×2000 mm
YB-12/0.4-315-s11	315 kVA	12 kV	0.4 kV	IP33	65	GB/T 17467, IEC 61330	3000 kg	2000×1500×2000 mm
YB-20/0.4-315	315 kVA	20 kV	0.4 kV	IP33	65	GB/T 17467, IEC 61330	3000 kg	2000×1500×2000 mm
YBW-12/0.4-315	315 kVA	12 kV	0.4 kV	IP33	65	GB/T 17467, IEC 61330	3000 kg	2000×1500×2000 mm
YB-12/0.4-400	400 kVA	12 kV	0.4 kV	IP33	65	GB/T 17467, IEC 61330	3500 kg	2200×1500×2200 mm
YB-12/0.4-400-s11	400 kVA	12 kV	0.4 kV	IP33	65	GB/T 17467, IEC 61330	3500 kg	2200×1500×2200 mm
YB-20/0.4-400	400 kVA	20 kV	0.4 kV	IP33	65	GB/T 17467, IEC 61330	3500 kg	2200×1500×2200 mm
YBW-12/0.4-400	400 kVA	12 kV	0.4 kV	IP33	65	GB/T 17467, IEC 61330	3500 kg	2200×1500×2200 mm

Model	Transformer Capacity	HV Unit Voltage	LV Unit Voltage	Protection Level	Temp. Rise (K)	Standard	Weight (kg) †	Dimensions (L×W×H) †
YB-12/0.4-500	500 kVA	12 kV	0.4 kV	IP33	65	GB/T 17467, IEC 61330	4000 kg	2200×1600×2200 mm
YB-12/0.4-500-s11	500 kVA	12 kV	0.4 kV	IP33	65	GB/T 17467, IEC 61330	4000 kg	2200×1600×2200 mm
YB-20/0.4-500	500 kVA	20 kV	0.4 kV	IP33	65	GB/T 17467, IEC 61330	4000 kg	2200×1600×2200 mm
YBW-12/0.4-500	500 kVA	12 kV	0.4 kV	IP33	65	GB/T 17467, IEC 61330	4000 kg	2200×1600×2200 mm
YB-35/400-500	500 kVA	35 kV	0.4 kV	IP33	65	GB/T 17467, IEC 61330	4000 kg	2200×1600×2200 mm
YB-35/10-500	500 kVA	35 kV	10 kV	IP33	65	GB/T 17467, IEC 61330	4000 kg	2200×1600×2200 mm
YB-12/0.4-630	630 kVA	12 kV	0.4 kV	IP33	65	GB/T 17467, IEC 61330	4800 kg	2500×1800×2400 mm
YB-12/0.4-630-s11	630 kVA	12 kV	0.4 kV	IP33	65	GB/T 17467, IEC 61330	4800 kg	2500×1800×2400 mm
YB-20/0.4-630	630 kVA	20 kV	0.4 kV	IP33	65	GB/T 17467, IEC 61330	4800 kg	2500×1800×2400 mm
YBW-12/0.4-630	630 kVA	12 kV	0.4 kV	IP33	65	GB/T 17467, IEC 61330	4800 kg	2500×1800×2400 mm
YB-35/400-630	630 kVA	35 kV	0.4 kV	IP33	65	GB/T 17467, IEC 61330	4800 kg	2500×1800×2400 mm
YB-35/10-630	630 kVA	35 kV	10 kV	IP33	65	GB/T 17467, IEC 61330	4800 kg	2500×1800×2400 mm
YB-12/0.4-800	800 kVA	12 kV	0.4 kV	IP33	65	GB/T 17467, IEC 61330	5500 kg	2800×2000×2500 mm
YB-12/0.4-800-s11	800 kVA	12 kV	0.4 kV	IP33	65	GB/T 17467, IEC 61330	5500 kg	2800×2000×2500 mm
YB-20/0.4-800	800 kVA	20 kV	0.4 kV	IP33	65	GB/T 17467, IEC 61330	5500 kg	2800×2000×2500 mm
YBW-12/0.4-800	800 kVA	12 kV	0.4 kV	IP33	65	GB/T 17467, IEC 61330	5500 kg	2800×2000×2500 mm
YB-35/400-800	800 kVA	35 kV	0.4 kV	IP33	65	GB/T 17467, IEC 61330	5500 kg	2800×2000×2500 mm
YB-35/10-800	800 kVA	35 kV	10 kV	IP33	65	GB/T 17467, IEC 61330	5500 kg	2800×2000×2500 mm
YB-12/0.4-1000	1000 kVA	12 kV	0.4 kV	IP33	65	GB/T 17467, IEC 61330	6500 kg	3000×2200×2500 mm
YB-12/0.4-1000-s11	1000 kVA	12 kV	0.4 kV	IP33	65	GB/T 17467, IEC 61330	6500 kg	3000×2200×2500 mm

Model	Transformer Capacity	HV Unit Voltage	LV Unit Voltage	Protection Level	Temp. Rise (K)	Standard	Weight (kg) †	Dimensions (L×W×H) †
YB-35/400-1000	1000 kVA	35 kV	0.4 kV	IP33	65	GB/T 17467, IEC 61330	6500 kg	3000×2200×2500 mm
YB-35/10-1000	1000 kVA	35 kV	10 kV	IP33	65	GB/T 17467, IEC 61330	6500 kg	3000×2200×2500 mm
YB-12/0.4-1250	1250 kVA	12 kV	0.4 kV	IP33	65	GB/T 17467, IEC 61330	7500 kg	3200×2400×2600 mm
YB-12/0.4-1250-s11	1250 kVA	12 kV	0.4 kV	IP33	65	GB/T 17467, IEC 61330	7500 kg	3200×2400×2600 mm
YB-35/400-1250	1250 kVA	35 kV	0.4 kV	IP33	65	GB/T 17467, IEC 61330	7500 kg	3200×2400×2600 mm
YB-35/10-1250	1250 kVA	35 kV	10 kV	IP33	65	GB/T 17467, IEC 61330	7500 kg	3200×2400×2600 mm
YB-12/0.4-1600	1600 kVA	12 kV	0.4 kV	IP33	65	GB/T 17467, IEC 61330	9000 kg	3500×2400×2600 mm
YB-12/0.4-1600-s11	1600 kVA	12 kV	0.4 kV	IP33	65	GB/T 17467, IEC 61330	9000 kg	3500×2400×2600 mm
YB-35/10-1600	1600 kVA	35 kV	10 kV	IP33	65	GB/T 17467, IEC 61330	9000 kg	3500×2400×2600 mm
YB-35/10-2000	2000 kVA	35 kV	10 kV	IP33	65	GB/T 17467, IEC 61330	10000 kg	3600×2600×2700 mm

† Typical values, subject to confirmation. Final dimensions and weights are per factory GA drawings and routine test reports.

Standards & Certification

ISO 9001 Certified — Quality Management System
CE marking — available on selected models
Design and testing per IEC 60076, IEC 60076-11 (dry-type), IEC 61330 (substations), GB 1094 and related international standards.

Note: Certification details and test reports are provided upon request for the specific model and destination market.

Inquiry & Contact

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QDTB® guarantees a response within 24 hours on business days. Send your model, capacity, voltage and quantity for a detailed quotation.