

Product Introduction

The YBM pre-packaged box-type substation absorbs the advantages of three major factions: American box-type substation, European box-type substation and domestic box-type substation. It is suitable for national conditions and adopts new environmental protection materials, new processes and advanced components, high and low voltage automation technology: Among them, the high voltage (12kV) can meet the requirements of the power sector for the automation of the distribution network, and the low voltage (0.4kV) can meet the requirements of intelligent residential property management. This series of intelligent box-type substations is a complete set of intelligent power supply and distribution devices composed of high-voltage units, power transformers, low voltage units, metering units and intelligent systems. It can be used in urban buildings, residential quarters, municipal facilities, factories, mines, highways, docks, oil fields, temporary power consumption and other departments and places. The box-type substation completes the transformation and distribution of power.



**YBM pre-packed
box-type substation**

Technical Parameters

Model		Parameters
Rated voltage	High pressure side	12kV
	Low pressure side	0.4kV
Transformer rated capacity		315,400,630,800,1000,1250,1600,2000,2500,3150kVA
Rated current	High pressure side	630,1250A
	Low pressure side	630,800,1250,1600,2000,2500,3200,4000,5000,6300A
Rated frequency		50Hz
Rated short-time withstand current	High voltage switchgear12kV	20,25,31.5kA
	High voltage switchgear400V	50,80,100kA
Cabinet Ingress protection		IP54
Rated peak withstand current	High voltage switchgear12kV	50,63,80kA
	High voltage switchgear400V	105,176,250kA
Rated short-circuit making current 12kV		50kA
Rated noise (oil-immersed transformer)		≤45dB
Reactive power compensation		120~1000kVar
High voltage electrical insulation level	Rated voltage	12kV
	Lightning impulse withstand voltage	ground and interphase 75 Isolation fracture 85
	1min power frequency withstand voltage	ground and interphase 42 Isolation fracture 48
Low voltage electrical insulation level	Rated voltage	60≤Ui≤300 300≤ui≤660
	Power frequency withstand voltage (1min)	2000 2500

■ Product continues to iterate, specifications may be updated without prior notice.