

## Product Overview

The YBD-12 series landscape buried box transformer mainly consists of two parts: an underground transformer (including a prefabricated pit) installed underground and an outdoor advertising light box type high and low voltage switchgear installed on the ground. Among them, underground transformers are a new type of distribution transformer with high-voltage fuse protection that can operate submerged in water for a period of time. They have been widely used in airports, highways, bridges, tunnels and other places in China; The interior of the outdoor light box type high and low voltage switchgear is an outdoor high and low voltage distribution cabinet, and the outer side of the box is an advertising light box. The content of advertising posters can be designed according to the surrounding environment and user requirements. The entire product has a small footprint, is aesthetically pleasing, and not only highly coordinated with the surrounding environment, but also serves as an advertisement

## Product Model Description

### 产品型号说明

Y B D - □ - □ / □  
① ② ③ ④ ⑤ ⑥

①	预装式
②	变电站
③	地下式
④	变压器额定容量 (kVA)
⑤	高压侧额定电压 (kV)
⑥	低压侧额定电压 (kV)

## Usage conditions

Altitude: not exceeding 1000m

Environmental temperature: maximum temperature +50 °C, minimum temperature -25 °C

Relative humidity: daily average not exceeding 95%; Monthly average not exceeding 90%

The installation slope should not exceed 3 degrees, and there should be no frequent severe vibration or impact in the area. The surrounding air is not significantly polluted by explosive, corrosive, or flammable gases

Note: If ordering this product exceeds the above conditions, please consult with our company

## Technical Parameter

Rated voltage level: 35kV and 10kV and below a frequency: 50Hz · insulation level (see table below)

技术参数		□ 额定电压等级: 35kV 和 10kV 及以下	□ 频率: 50Hz	□ 绝缘水平 (见下表)
高压开关单元	高压单元额定电压	kV	10	
	额定频率	Hz	50	
	额定电流	A	630	
	1min 工频耐受电压 (对地和相间/ 隔离断口)	kV	42/48	
	雷电冲击电压	kV	75/85	
	额定短时耐受电流	kA/2s	20	
	额定峰值耐受电流	kA	50	
	防护等级	IP67		
低压开关单元	低压单元额定电压	kV	0.4	
	主回路额定电流	A	50~3200	
	额定短时耐受电流	kA/1s	30	
	额定峰值耐受电流	kA	63	
	分支回路路数	Way	0~32	
	防护等级	IP34		
地下式变压器	变压器单元额定电压	kV	10	
	额定容量	kVA	30~1600	
	频耐电压	kV	35	
	雷电冲击电压	kV	95	
	联结级别	Dyn11		
	阻抗电压	4%/4.5%		
	损耗	S11		
	防护等级	IP68		

## Drawing

### 安装示意图

