



Prefabricated compact Transformer

---YBW series



Product brochure

2008/2

Zhejiang Farady Electric Co., Ltd.

ISO9001&ISO14001 certificated enterprise

++++Application

YBW series products is a kind of set of equipment which assembles the MV switch apparatus, transformer, LV distribution equipment together according to fixed connection scheme. This series substation is suitable for neighborhood unit, hotel, large-scale work site and high building that the voltage is 12kV /24kV/36kV/40.5kV, the frequency is 50Hz and the capacity is under 2500kVA.

Standards: IEC60076,IEC1330,

ANSI/IEEE C57.12.00 ,C57.12.20 ,C57.12.90,BS171,SABS 780

++++Service condition

a) Both indoor or outdoor

b) Air temperature:

Maximum temperature: +40°C; Minimum temperature:-25°C

c) Humidity:

Monthly average humidity 95%; Daily average humidity 90% .

d) Altitude above sea level:

Maximum installation altitude: 2000m.

e) Ambient air not apparently polluted by corrosive and flammable gas, vapor etc.

f) No frequent violent shake

Note: * Beyond those services condition should enquiry to manufacturer technical dept during order

Note: *The above parameter is only subject to our standard design, special requirement can be customized

++++ Main technical specifications

Name	Unit	HV side	Transformer	LV side
Rated voltage	kV	6-40.5kV	6-40.5kV	0.4
Rated current	A	630	3/75-150/3750	Less than 4000
Frequency	Hz	50		
Rated Capacity	kVA	50-2500		
Pfr withstand	kV	42/50/70/95		2.5
BIL	kV	75/125/170/185		
Crust Protection Grade		IP23	Oil type 55; dry type 65	IP23
Noisy Grade	dB			
Appearance Dimensions	mm	According to primacy wiring circuit schema		

***Consult Farady Electric for availability of non-standard kVA sizes.**

++++ Structure Characteristics

Two types of box type transformer substation,corridor type and non-corridor type,welded frame by excellent

Anticorrosive steel,hot-galvanizing steel base:

Box-type transformer substation has 3 rooms,HV cabinets,LV,cabinet,transformer cabinet,layout may be customized

two layer roof with air inside to prevent temperature rising efficiently.

natural air cooling,optional forced air cooling,optional automatic anti-congeal equipment.

difference type of load switch and fuse combination to protect the transformer

.terminal power supply,ring supply and double power supply welded body of LV cabinet ,screen type nameplate

Cabinet is secured to the tank.

++++Ordering Instructions

a)Main technical specifications

b)Other special requirements.

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