

# 500kV POWER TRANSFORMER



1. ODFPSZ-250 MVA/500kV auto- transformer (Shanxi,China)
2. SFP10-400 MVA/500kV generator transformer operating in Zhungeer Power, Inner Mongolia,China
3. SFP-160 MVA/420kV generator transformer (Baghdad,Iraq)
4. SFP10-370 MVA/500kV generator transformer (Hunan,China)



Since it started design in 1978 and manufactured the first batch of 500 kV power transformer in China in 1980, XD has supplied the worldwide customers with various types of large transformers including 500 kV step-up transformers and auto-transformers, etc. With the constant development in past twenty years, XD has accumulated rich experiences on design and manufacture of 500 kV power transformer, and had a reliable ability to manufacture high quality of the products to meet the requirements of customers.

### Specification of 500kV Power Transformer(Three-Winding)

Type	Rated voltage (kV)			Connecting symbol	No-load loss (kW)	Load loss (kW)	Impedance%			Total weight (t)	Outline dimensions (L×W×H mm)
	H.V	M.V	L.V				H-M	H-L	M-L		
ODFPS-250 MVA/500 kV	$525/\sqrt{3}$	$230/\sqrt{3} \pm 2 \times 2.5\%$	36	la010	75	335	12	45	28	186	7949 × 6200 × 9963
ODFPSZ-250 MVA/500 kV	$500/\sqrt{3}$	$230/\sqrt{3} \pm 8 \times 1.25\%$	35	la010	80	350	13	45	28	182	8070 × 5895 × 10128

### Specification of 400kV Power Transformer(Two-Winding)

Type	Rated voltage (kV)		Connecting symbol	No-load loss (kW)	Load loss (kW)	Impedance%			Total weight (t)	Outline dimensions (L×W×H mm)
	H.V	L.V				HV-LV1	HV-LV2	LV1-LV2		
SFP-160 MVA/420 kV	$420 \pm 2 \times 2.5\%$	15	YNd11	105	400		14		196	11510 × 5560 × 9306
SFPFZ-250 MVA/410 kV	$410 \pm 12 \times 1\%$	33-33	YNd5-d5	150	340	14	14	6	275	12500 × 6802 × 9300

### Specification of 500kV Power Transformer(Two-Winding)

Type	Rated voltage (kV)		Connecting symbol	No-load loss (kW)	load loss (kW)	Impedance%	Total weight (t)	Outline dimensions (L×W×H mm)
	H.V	L.V						
SFP-300 MVA/500 kV	$550 \pm 2 \times 2.5\%$	13.80	YNd11	280	910	14	283	15080 × 7400 × 10810
SFP-360 MVA/500 kV	$525 \pm 2 \times 2.5\%$	15.75	YNd11	185	1070	16	250	11620 × 6810 × 8450
SFP-370 MVA/500 kV	$525 \pm 2 \times 2.5\%$	20	YNd11	205	860	14	277	12000 × 6900 × 11186
SFP-400 MVA/500 kV	$500 - 2 \times 2.5\%$	24	YNd11	220	840	14	310	13340 × 5385 × 11220

