

10kV 系列级配电变压器

10kV Sizes distribution transformer



变压器产品标准 Transformer standards

| | |
|-----------------|----------------|
| GB 1094.1-1996 | GB 1094.2-1996 |
| GB 1094.3-2003 | GB 1094.5-2003 |
| GB/T 6451-2008 | GB/T 6451-1987 |
| GB/T 10237-1988 | GB/T 3837-1998 |

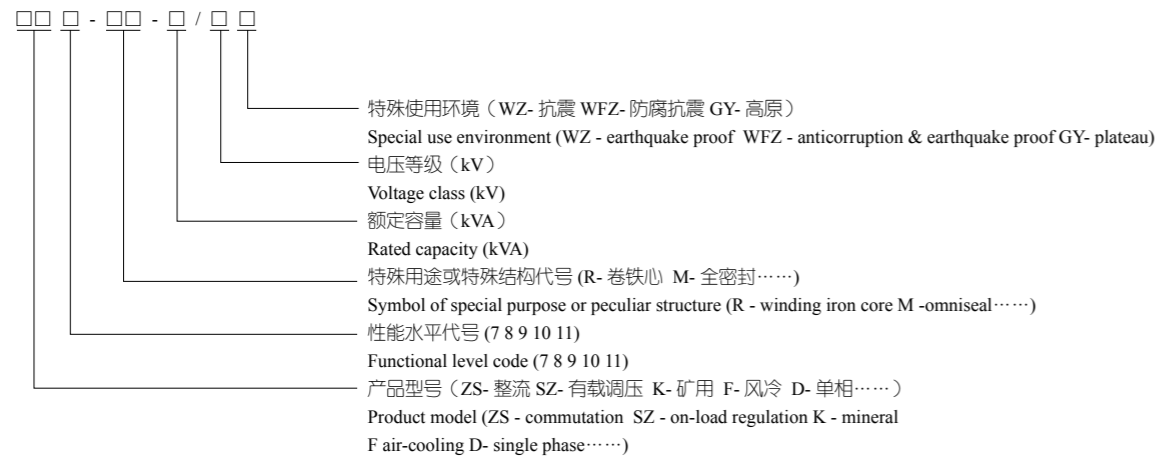
变压器特殊使用条件 Transformer special service conditions

| | |
|-----------------|---|
| 海拔高度大于 1000m | The height above sea level is above 1000m |
| 环境温度: 最高气温 +40℃ | Ambient temperature: Highest air temperature +40 °C |
| 最低气温 -45℃ | Lowest air temperature -45 °C |
| (订货时详细说明) | (defines in detail when placing an order) |

变压器正常使用条件 Transformer normal service conditions

| | |
|------------------|---|
| 海拔高度不超过 1000m; | The height above sea level is above 1000m; |
| 环境温度: 最高气温 +40℃; | Ambient temperature: Highest air temperature +40 °C ; |
| 最高日平均气温 +30℃ ; | Highest daily average air temperature +30°C ; |
| 最高年平均气温 +20℃ ; | Highest annual average air temperature +20°C ; |
| 户外最低气温 -25℃。 | Lowest outdoor air temperature - 25 °C . |

变压器型号说明 Transformer model description



10kV 系列级配电变压器

10kV Sizes distribution transformer



S9 系列 10kV 级配电变压器

S9 series 10kV distribution transformer

30kVA~2500kVA 三相双绕组无励磁调压配电变压器

30kVA~2500kVA Three-phase duplex winding non-excited tap-changing distribution transformer

| 额定容量 Rated capacity (kVA) | 电压组合及分接范围 Voltage Combination and Tap range | | | 联结组 标号 Vector group Symble | 损耗 Loss(kW) | | | 重量 Weight (T) | | | 外形尺寸 Boundary dimension(mm) 长(L)×宽(W)×高(H) | | 轨迹纵向/ 横向 (mm) Gauge vertical/ horizontal | 空载电流 No-load current (%) | 阻抗电压 Impedance Voltage (%) |
|---------------------------------|---|-----------------------------|--------------|--|----------------|------------|-------------|------------------|-------------|-----------------|--|----------------|--|-----------------------------------|-------------------------------------|
| | 高压 HV(kV) | 高压分接 范围 %HV Tap Range | 低压 LV(kV) | | 空载 No-load | 负载 Load | 器身重 Body | 油重 Oil | 总重 Total | 全密封 Omniseal | 非全密封 Un-omniseal | | | | |
| 30 | | | | | | 0.13 | 0.63/0.60 | 0.19 | 0.07 | 0.30 | 1050×580×1100 | 1065×550×1135 | 350/400 | 2.3 | 4.0 |
| 50 | | | | | | 0.17 | 0.91/0.87 | 0.25 | 0.09 | 0.39 | 1080×600×1150 | 1105×670×1185 | 350/400 | 2.0 | |
| 63 | | | | | | 0.20 | 1.09/1.04 | 0.29 | 0.10 | 0.45 | 1100×630×1150 | 1135×685×1120 | 350/400 | 1.9 | |
| 80 | | | | | | 0.25 | 1.31/1.25 | 0.34 | 0.10 | 0.51 | 1150×670×1095 | 1100×630×1300 | 400/400 | 1.9 | |
| 100 | | | | | | 0.29 | 1.58/1.50 | 0.36 | 0.11 | 0.55 | 1170×710×1220 | 1150×670×1245 | 450/400 | 1.8 | |
| 125 | | | | | Dyn11 | 0.34 | 1.89/1.80 | 0.44 | 0.12 | 0.66 | 1230×730×1270 | 1170×710×1370 | 550/550 | 1.7 | |
| 160 | | | | | Yzn11 | 0.40 | 2.31/2.20 | 0.51 | 0.15 | 0.78 | 1320×790×1290 | 1230×730×1410 | 550/550 | 1.6 | |
| 200 | 6 | | | | Yyn0 | 0.48 | 2.73/2.60 | 0.59 | 0.16 | 0.90 | 1330×760×1360 | 1320×790×1420 | 550/550 | 1.5 | |
| 250 | 6.3 | | | | | 0.56 | 3.20/3.05 | 0.72 | 0.21 | 1.105 | 1330×760×1360 | 1330×760×1510 | 550/550 | 1.4 | |
| 315 | 10 | ±5 | 0.4 | | | 0.67 | 3.83/3.65 | 0.82 | 0.22 | 1.245 | 1380×760×1380 | 1380×760×1530 | 550/550 | 1.4 | |
| 400 | 10.5 | ±2×2.5 | | | | 0.80 | 4.52/4.30 | 0.98 | 0.29 | 1.53 | 1520×830×1460 | 1580×830×1610 | 550/550 | 1.3 | |
| 500 | 11 | | | | | 0.96 | 5.41/5.15 | 1.16 | 0.32 | 1.76 | 1550×890×1500 | 1550×890×1650 | 660/660 | 1.2 | |
| 630 | | | | | | 1.20 | 6.20 | 1.43 | 0.41 | 2.19 | 1630×910×1580 | 1680×960×1730 | 660/660 | 1.1 | |
| 800 | | | | | | 1.40 | 7.5 | 1.67 | 0.47 | 2.57 | 1700×960×1650 | 1700×960×1850 | 820/820 | 1.0 | |
| 1000 | | | | | Dyn11 | 1.70 | 10.30 | 1.90 | 0.55 | 2.97 | 1750×1080×1650 | 1750×1080×1950 | 820/820 | 1.0 | |
| 1250 | | | | | Yyn0 | 1.95 | 12.00 | 2.16 | 0.64 | 3.43 | 1840×1140×1770 | 1840×1140×1970 | 820/820 | 0.9 | |
| 1600 | | | | | | 2.40 | 14.50 | 2.59 | 0.75 | 3.76 | 1930×1300×1810 | 1930×1300×2020 | 820/820 | 0.8 | |
| 2000 | | | | | | 2.52 | 17.80 | 2.95 | 0.87 | 4.35 | 2100×1640×1930 | 2100×1640×2170 | 1070/1070 | 0.5 | |
| 2500 | | | | | | 2.80 | 20.70 | 3.69 | 0.96 | 5.24 | 2120×1750×1970 | 2120×1750×2190 | 1070/1070 | 0.4 | |

注1: 对于额定容量为 500kVA 及以下的变压器, 表中斜线上方的负载损耗值适用于 Dyn11 或 Yzn11 联结组, 斜线下方的负载损耗值适用于 Yyn0 联结组。

注2: 根据用户需要, 可提供高压分接范围为 ±2×2.5% 的变压器。

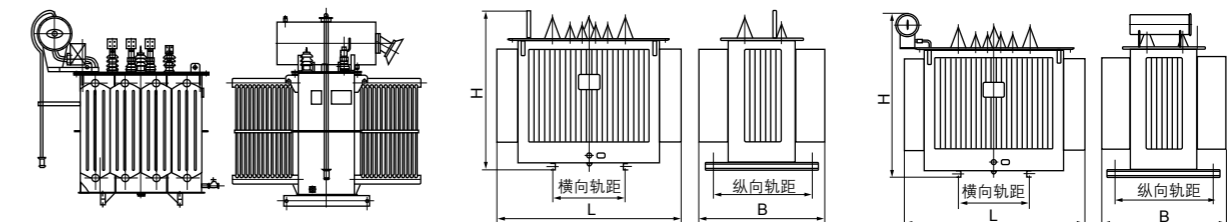
注3: 根据用户需要, 可提供低压 0.69kV 的变压器。

Note1: Rated capacity 500kVA and below transformer, the load loss above the oblique line in the table applies to Dyn11 or Yzn11; the load loss below the oblique line applies to Yyn0.

Note2: According to requirements, the transformer can supply HV tap change ±2×2.5%

Note3: According to requirements, the transformer can supply LV 0.69KV.

外形尺寸 Outline dimension



全密封 (带胶囊) 片式变压器
Omniseal (encapsulant) sheet type transformer
非全密封片式变压器
Un-omniseal sheet type transformer

全密封波纹式变压器
Omniseal corrugated type transformer

非全密封波纹式变压器
Un-omniseal corrugated type transformer

10kV 系列级配电变压器

10kV Sizes distribution transformer



S9、SZ9 系列 10kV 级电力变压器

S9, SZ9 series 10kV power transformer

630kVA~6300kVA 三相双绕组无励磁调压电力变压器

630kVA~6300kVA 3-phase duplex winding non-excited tap-changing distribution transformer

| 额定容量 Rated capacity (kVA) | 电压组合及分接范围 Voltage Combination and Tap range | | | 联结组 Vector group Symble | 损耗 Loss(kW) | | 空载电流 No-load current (%) | 阻抗电压 Impedance Voltage (%) | 重量 Weight (T) | | | 轨迹纵向/横向 (mm) Gauge vertical/horizontal |
|---------------------------------|--|----------------------|-------------|-------------------------------|----------------|---------|--------------------------------|----------------------------------|---------------|--------|----------|---|
| | 高压 HV(kV) | 高压分接范围 %HV Tap Range | 低压 LV(kV) | | 空载 No-load | 负载 Load | | | 器身重 Body | 油重 Oil | 总重 Total | |
| 630 | 6 | ±5 ±2×2.5 | 3.15 6.3 | Yd11 | 0.13 | 7.29 | 1.1 | 5.5 | 1.57 | 0.45 | 2.41 | 750/660 |
| 800 | | | | | 1.26 | 8.91 | 1.0 | | 1.83 | 0.52 | 2.87 | 850/660 |
| 1000 | | | | | 1.48 | 10.44 | 1.0 | | 2.09 | 0.60 | 3.26 | 850/820 |
| 1250 | | | | | 1.75 | 12.42 | 0.9 | | 2.38 | 0.70 | 3.78 | 850/820 |
| 1600 | | | | | 2.11 | 14.85 | 0.8 | | 2.59 | 0.78 | 4.15 | 900/820 |
| 2000 | | | | | 2.52 | 17.82 | 0.8 | | 3.00 | 0.89 | 4.94 | 900/820 |
| 2500 | | | | | 2.97 | 20.70 | 0.8 | | 3.70 | 0.96 | 6.07 | 1070/1070 |
| 3150 | | | | | 3.51 | 24.30 | 0.7 | | 4.31 | 1.18 | 7.30 | 1070/1070 |
| 4000 | | | | | 4.32 | 28.80 | 0.7 | | 5.51 | 1.55 | 8.78 | 1070/1070 |
| 5000 | | | | | 5.13 | 33.03 | 0.7 | | 6.59 | 1.76 | 10.90 | 1070/1070 |
| 6300 | 6.12 | 36.90 | 0.6 | 7.32 | 1.91 | 12.85 | 1070/1070 | | | | | |

注 1: 根据用户需要, 可提供高压分接范围为 ±2×2.5% 的变压器。

Note1: According to requirements, the transformer can supply HV tap change ±2×2.5% .

200kVA~2500kVA 三相双绕组有载调压配电变压器

200kVA~2500kVA 3-phase duplex winding on-load tap-changing distribution transformer

| 额定容量 Rated capacity (kVA) | 电压组合及分接范围 Voltage Combination and Tap range | | | 联结组 Vector group Symble | 损耗 Loss(kW) | | 空载电流 No-load current (%) | 阻抗电压 Impedance Voltage (%) | 重量 Weight(T) | | | 轨迹纵向/横向 (mm) Gauge vertical/horizontal |
|---------------------------------|--|----------------------|------------|-------------------------------|----------------|---------|--------------------------------|----------------------------------|--------------|--------|----------|---|
| | 高压 HV (kV) | 高压分接范围 %HV Tap Range | 低压 LV (kV) | | 空载 No-load | 负载 Load | | | 器身重 Body | 油重 Oil | 总重 Total | |
| 200 | 6 | ±4×2.5 | 0.4 | Dny11 Yyn0 | 0.48 | 3.06 | 1.5 | 4.0 | 0.78 | 0.24 | 1.23 | 550/550 |
| 250 | | | | | 0.56 | 3.60 | 1.4 | | 0.97 | 0.29 | 1.44 | 650/550 |
| 315 | | | | | 0.67 | 4.32 | 1.4 | | 1.02 | 0.30 | 1.58 | 650/550 |
| 400 | | | | | 0.80 | 5.22 | 1.3 | | 1.40 | 0.370 | 1.87 | 750/550 |
| 500 | | | | | 0.96 | 6.21 | 1.2 | | 1.65 | 0.40 | 2.10 | 750/660 |
| 630 | | | | | 1.20 | 7.65 | 1.1 | | 1.60 | 0.49 | 2.52 | 750/660 |
| 800 | | | | | 1.40 | 9.36 | 1.0 | | 1.85 | 0.56 | 2.92 | 850/660 |
| 1000 | | | | | 1.70 | 10.98 | 1.0 | | 2.18 | 0.64 | 3.31 | 850/820 |
| 1250 | | | | | 1.95 | 13.05 | 0.9 | | 2.32 | 0.73 | 3.80 | 850/820 |
| 1600 | | | | | 2.40 | 15.57 | 0.8 | | 2.74 | 0.84 | 4.45 | 900/820 |
| 2000 | 2.52 | 18.69 | 0.6 | 3.13 | 0.96 | 5.18 | 900/820 | | | | | |
| 2500 | 2.80 | 21.74 | 0.6 | 3.91 | 1.06 | 6.43 | 1070/1070 | | | | | |

注 1: 根据用户需要, 可提供高压绕组电压为 10.5kV 及 11kV 的变压器。

注 2: 根据用户需要, 可提供低压电压为 0.69kV 的变压器。

Note1: According to requirements, the transformer can supply HV winding voltage 10.5kV and 11kV.

Note2: According to requirements, the transformer can supply LV 0.69kV.

10kV 系列级配电变压器

10kV Sizes distribution transformer



S10 系列 10kV 级配电变压器

S10 series 10kV distribution transformer

30kVA~2500kVA 三相双绕组无励磁调压配电变压器

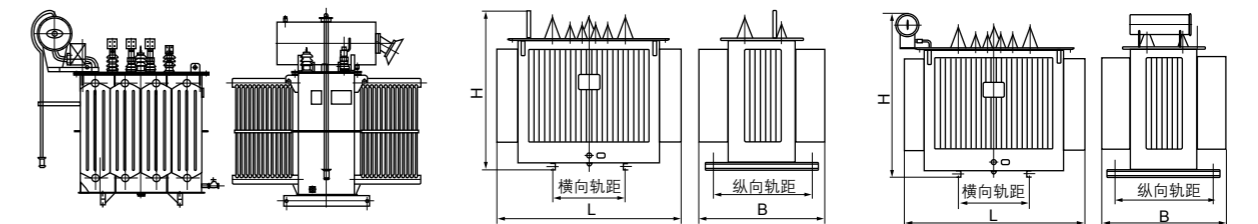
30kVA~2500kVA Three-phase duplex winding non-excited tap-changing distribution transformer

| 额定容量 Rated capacity (kVA) | 电压组合及分接范围 Voltage Combination and Tap range | | | 联结组 Vector group Symble | 损耗 Loss(kW) | | 空载电流 No-load current (%) | 阻抗电压 Impedance Voltage (%) | 重量 Weight (T) | | | 外形尺寸 boundary dimension(mm) 长(L)×宽(W)×高(H) | | 轨迹纵向/横向 (mm) Gauge vertical/horizontal |
|---------------------------------|--|----------------------|-----------|-------------------------------|----------------|-----------|--------------------------------|----------------------------------|---------------|--------|----------|--|------------------|---|
| | 高压 HV(kV) | 高压分接范围 %HV Tap Range | 低压 LV(kV) | | 空载 No-load | 负载 Load | | | 器身重 Body | 油重 Oil | 总重 Total | 全密封 Omniseal | 非全密封 Un-omniseal | |
| 30 | 6 | ±5 ±2×2.5 | 0.4 | Dyn11 Yzn11 Yyn0 | 0.11 | 0.63/0.60 | 2.0 | 4.0 | 0.21 | 0.08 | 0.32 | 1000×550×1050 | 1065×550×1135 | 400/400 |
| 50 | | | | | 0.15 | 0.91/0.87 | 1.9 | | 0.275 | 0.09 | 0.43 | 1050×580×1100 | 1105×670×1185 | 450/400 |
| 63 | | | | | 0.18 | 1.09/1.04 | 1.8 | | 0.316 | 0.10 | 0.50 | 1080×600×1150 | 1135×685×1120 | 450/400 |
| 80 | | | | | 0.20 | 1.31/1.25 | 1.7 | | 0.37 | 0.12 | 0.52 | 1100×635×1150 | 1100×630×1300 | 450/400 |
| 100 | | | | | 0.23 | 1.58/1.50 | 1.55 | | 0.40 | 0.12 | 0.58 | 1150×675×1095 | 1150×670×1245 | 450/400 |
| 125 | | | | | 0.27 | 1.89/1.80 | 1.45 | | 0.48 | 0.15 | 0.70 | 1170×710×1220 | 1170×710×1370 | 550/400 |
| 160 | | | | | 0.31 | 2.31/2.20 | 1.3 | | 0.56 | 0.17 | 0.83 | 1230×740×1270 | 1230×740×1410 | 550/550 |
| 200 | | | | | 0.38 | 2.73/2.60 | 1.2 | | 0.65 | 0.17 | 1.05 | 1320×760×1290 | 1320×760×1420 | 550/550 |
| 250 | | | | | 0.46 | 3.20/3.05 | 1.1 | | 0.75 | 0.22 | 1.12 | 1330×760×1360 | 1330×760×1510 | 650/550 |
| 315 | | | | | 0.54 | 3.83/3.65 | 1.0 | | 0.85 | 0.23 | 1.30 | 1380×780×1380 | 1380×760×1530 | 650/550 |
| 400 | | | | | 0.65 | 4.52/4.30 | 1.0 | | 1.03 | 0.30 | 1.62 | 1500×860×1460 | 1500×830×1610 | 750/550 |
| 500 | | | | | 0.78 | 5.41/5.15 | 1.0 | | 1.20 | 0.32 | 1.85 | 1550×890×1500 | 1550×890×1650 | 750/660 |
| 630 | | | | | 0.92 | 6.20 | 0.8 | | 1.53 | 0.44 | 2.31 | 1680×960×1580 | 1680×960×1730 | 750/660 |
| 800 | | | | | 1.12 | 7.50 | 0.7 | | 1.71 | 0.49 | 2.67 | 1700×960×1650 | 1700×960×1850 | 850/660 |
| 1000 | | | | | 1.32 | 10.30 | 0.6 | | 2.01 | 0.56 | 3.05 | 1750×1080×1650 | 1750×1080×1950 | 850/820 |
| 1250 | | | | | 1.56 | 12.00 | 0.6 | | 2.37 | 0.66 | 3.57 | 1840×1140×1770 | 1840×1140×1970 | 850/820 |
| 1600 | | | | | 1.88 | 14.50 | 0.6 | | 2.70 | 0.79 | 3.95 | 1930×1300×1810 | 1930×1300×2020 | 900/820 |
| 2000 | | | | | 2.27 | 17.80 | 0.5 | | 3.65 | 0.90 | 4.65 | 2100×1640×1930 | 2100×1640×2170 | 900/820 |
| 2500 | | | | | 2.67 | 20.70 | 0.4 | | 3.72 | 0.98 | 5.76 | 2120×1750×1970 | 2120×1750×2190 | 1070/1070 |

注 1: 表中斜线上方负载损耗值适用于 Dyn11 或 Yzn11 联结组, 斜线下方的负载损耗值适用于 Yyn0 联结组。

Note1: The load loss above the oblique line in the table applies to Dyn11 or Yzn11; the load loss below the oblique line applies to Yyn0.

外形尺寸 Outline dimension



全密封 (带胶囊) 片式变压器
Omniseal (encapsulant) sheet type transformer
非全密封片式变压器
Un-omniseal sheet type transformer

全密封波纹式变压器
Omniseal corrugated type transformer

非全密封波纹式变压器
Un-omniseal corrugated type transformer

10kV 系列级配电变压器

10kV Sizes distribution transformer



S10、SZ10 系列 10kV 级电力变压器

S10, SZ10 series 10kV power transformer

630kVA~6300kVA 三相双绕组无励磁调压电力变压器

630kVA~6300kVA 3-phase duplex winding non-excited tap-changing power transformer

| 额定容量 Rated capacity (kVA) | 电压组合及分接范围 Voltage Combination and Tap range | | | 联结组 标号 Vector group Symble | 损耗 Loss(kW) | | 空载电流 No-load current (%) | 阻抗电压 Impedance Voltage (%) | 重量 Weight (T) | | | 轨迹纵向/ 横向 (mm) Gauge vertical/ horizontal |
|---------------------------------|--|-----------------------------|---------------|-------------------------------------|----------------|------------|--------------------------------|----------------------------------|------------------|-----------|-------------|--|
| | 高压 HV (kV) | 高压分接 范围 %HV Tap Range | 低压 LV (kV) | | 空载 No-load | 负载 Load | | | 器身重 Body | 油重 Oil | 总重 Total | |
| | | | | | | | | | | | | |
| 630 | 6 | ±5 ±2×2.5 | 3 | Yd11 | 0.82 | 6.93 | 1.1 | 5.5 | 1.65 | 0.45 | 2.61 | 750/660 |
| 800 | | | | | 1.01 | 8.46 | 1.0 | | 1.90 | 0.52 | 3.11 | 850/660 |
| 1000 | | | | | 1.18 | 9.92 | 1.0 | | 2.18 | 0.60 | 3.66 | 850/820 |
| 1250 | | | | | 1.40 | 11.80 | 0.9 | | 2.48 | 0.70 | 4.07 | 850/820 |
| 1600 | | | | | 1.69 | 14.11 | 0.8 | | 2.68 | 0.78 | 4.46 | 900/820 |
| 2000 | | | | | 2.02 | 16.93 | 0.8 | | 3.10 | 0.89 | 5.27 | 900/820 |
| 2500 | | | 2.38 | | 19.67 | 0.8 | 3.82 | | 0.96 | 6.37 | 1070/1070 | |
| 3150 | | | 2.81 | | 23.09 | 0.7 | 4.44 | | 1.18 | 7.80 | 1070/1070 | |
| 4000 | | | 3.46 | | 27.36 | 0.7 | 5.30 | | 1.55 | 9.35 | 1070/1070 | |
| 5000 | | | 4.10 | | 31.38 | 0.7 | 6.25 | | 1.76 | 11.08 | 1070/1070 | |
| 6300 | | | 4.90 | | 35.06 | 0.6 | 7.32 | | 1.93 | 13.15 | 1070/1070 | |

注 1: 根据用户需要, 可提供高压分接范围为 ±2×2.5% 的变压器。

Note 1: According to requirements, the transformer can supply HV tap change ±2×2.5% .

200kVA~2500kVA 三相双绕组有载调压配电变压器

200kVA~2500kVA 3-phase duplex winding on-load tap-changing distribution transformer

| 额定容量 Rated capacity (kVA) | 电压组合及分接范围 Voltage Combination and Tap range | | | 联结组 标号 Vector group Symble | 损耗 Loss(kW) | | 空载电流 No-load current (%) | 阻抗电压 Impedance Voltage (%) | 重量 Weight (T) | | | 轨迹纵向/ 横向 (mm) Gauge vertical/ horizontal |
|---------------------------------|--|-----------------------------|---------------|-------------------------------------|----------------|------------|--------------------------------|----------------------------------|------------------|-----------|-------------|--|
| | 高压 HV (kV) | 高压分接 范围 %HV Tap Range | 低压 LV (kV) | | 空载 No-load | 负载 Load | | | 器身重 Body | 油重 Oil | 总重 Total | |
| | | | | | | | | | | | | |
| 200 | 6 | ±4×2.5 | 0.4 | Dny11 Yym0 | 0.38 | 2.91 | 1.5 | 4.0 | 0.88 | 0.26 | 1.43 | 550/550 |
| 250 | | | | | 0.45 | 3.42 | 1.4 | | 0.97 | 0.31 | 1.64 | 650/550 |
| 315 | | | | | 0.54 | 4.10 | 1.4 | | 1.12 | 0.35 | 1.78 | 650/550 |
| 400 | | | | | 0.64 | 4.96 | 1.3 | | 1.28 | 0.43 | 2.07 | 750/550 |
| 500 | | | | | 0.77 | 5.90 | 1.2 | | 1.45 | 0.45 | 2.30 | 750/660 |
| 630 | | | | | 0.96 | 7.27 | 1.1 | | 1.70 | 0.53 | 2.72 | 750/660 |
| 800 | | | 1.12 | | 8.89 | 1.0 | 1.95 | | 0.60 | 3.12 | 850/660 | |
| 1000 | | | 1.36 | | 10.43 | 1.0 | 2.218 | | 0.68 | 3.51 | 850/820 | |
| 1250 | | | 1.56 | | 12.40 | 0.9 | 2.42 | | 0.77 | 4.00 | 850/820 | |
| 1600 | | | 1.92 | | 14.19 | 0.8 | 2.87 | | 0.88 | 4.650 | 900/820 | |
| 2000 | | | 2.268 | | 18.69 | 0.6 | 3.87 | | 0.99 | 5.51 | 900/820 | |
| 2500 | 2.52 | 21.74 | 0.6 | 3.94 | 1.08 | 6.75 | 1070/1070 | | | | | |

注 1: 根据用户需要, 可提供高压绕组电压为 10.5kV 及 11kV 的变压器。

注 2: 根据用户需要, 可提供低压电压为 0.69kV 的变压器。

Note1: According to requirements, the transformer can supply HV winding voltage 10.5kV and 11kV.

Note2: According to requirements, the transformer can supply LV 0.69kV.

10kV 系列级配电变压器

10kV Sizes distribution transformer



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S11 series 10kV distribution transformer

30kVA~2500kVA 三相双绕组无励磁调压配电变压器

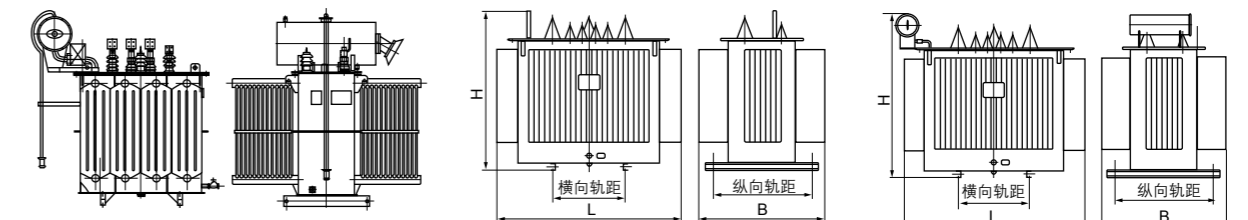
30kVA~2500kVA Three-phase duplex winding non-excited tap-changing distribution transformer

| 额定容量 Rated capacity (kVA) | 电压组合及分接范围 Voltage Combination and Tap range | | | 联结组 标号 Vector group Symble | 损耗 Loss(kW) | | 空载电流 No-load current (%) | 阻抗电压 Impedance Voltage (%) | 重量 Weight (T) | | | 外形尺寸 boundary dimension(mm) 长(L)×宽(W)×高(H) | | 轨迹纵向/ 横向 (mm) Gauge vertical/ horizontal |
|---------------------------------|--|-----------------------------|--------------|-------------------------------------|----------------|------------|--------------------------------|----------------------------------|------------------|-----------|----------------|--|---------------------|--|
| | 高压 HV(kV) | 高压分接 范围 %HV Tap Range | 低压 LV(kV) | | 空载 No-load | 负载 Load | | | 器身重 Body | 油重 Oil | 总重 Total | 全密封 Omniseal | 非全密封 Un-omniseal | |
| | | | | | | | | | | | | | | |
| 30 | 6 | ±5 ±2×2.5 | 0.4 | Dyn11 Yzn11 Yyn0 | 0.10 | 0.63/0.60 | 2.3 | 4.0 | 0.22 | 0.10 | 0.39 | 1050×570×1100 | 1105×570×1185 | 350/400 |
| 50 | | | | | 0.13 | 0.91/0.87 | 2.0 | | 0.28 | 0.12 | 0.53 | 1080×600×1150 | 1080×600×1120 | 350/400 |
| 63 | | | | | 0.15 | 1.09/1.04 | 1.9 | | 0.35 | 0.12 | 0.59 | 1100×635×1150 | 1100×635×1300 | 350/400 |
| 80 | | | | | 0.18 | 1.31/1.25 | 1.9 | | 0.41 | 0.14 | 0.67 | 1150×675×1095 | 1150×675×1245 | 400/400 |
| 100 | | | | | 0.20 | 1.58/1.50 | 1.8 | | 0.47 | 0.15 | 0.75 | 1170×710×1220 | 1170×715×1370 | 450/400 |
| 125 | | | | | 0.24 | 1.89/1.80 | 1.7 | | 0.53 | 0.16 | 0.83 | 1230×740×1270 | 1230×740×1420 | 550/550 |
| 160 | | | | | 0.28 | 2.31/2.20 | 1.6 | | 0.62 | 0.18 | 0.96 | 980×650×1230 | 1320×800×1410 | 550/550 |
| 200 | | | | | 0.34 | 2.73/2.60 | 1.5 | | 0.69 | 0.20 | 1.09 | 1000×730×1280 | 1330×770×1510 | 550/550 |
| 250 | | | | | 0.40 | 3.20/3.05 | 1.4 | | 0.84 | 0.23 | 1.28 | 1180×740×1230 | 1380×770×1530 | 550/550 |
| 315 | | | | | 0.48 | 3.83/3.65 | 1.4 | | 0.98 | 0.24 | 1.47 | 1240×800×1330 | 1500×870×1610 | 550/550 |
| 400 | | | | | 0.57 | 4.52/4.30 | 1.3 | | 1.03 | 0.30 | 1.62 | 1340×880×1260 | 1550×900×1650 | 550/550 |
| 500 | | | | | 0.68 | 5.41/5.15 | 1.2 | | 1.37 | 0.31 | 2.04 | 1430×960×1310 | 1680×970×1730 | 660/660 |
| 630 | | | | | 0.81 | 6.20 | 1.1 | | 1.53 | 0.45 | 2.33 | 1510×950×1420 | 1700×970×1850 | 660/660 |
| 800 | | | | | 0.98 | 7.50 | 1.0 | | 1.710 | 0.49 | 2.67 | 1750×985×1650 | 1750×985×1980 | 820/820 |
| 1000 | | | | | 1.15 | 10.30 | 1.0 | | 2.20 | 0.57 | 3.10 | 1840×1140×1770 | 1840×1040×1970 | 820/820 |
| 1250 | | | 1.36 | | 12.00 | 0.9 | 2.47 | | 0.67 | 3.70 | 1930×1200×1810 | 1930×1200×2020 | 820/820 | |
| 1600 | | | 1.64 | | 14.50 | 0.8 | 2.85 | | 0.79 | 4.20 | 2100×1300×1930 | 2100×1300×2150 | 820/820 | |
| 2000 | | | 1.96 | | 17.80 | 0.5 | 3.75 | | 0.98 | 4.84 | 2150×1640×1950 | 2150×1640×2170 | 1070/1070 | |
| 2500 | | | 2.31 | | 20.70 | 0.4 | 3.72 | | 1.18 | 5.76 | 2160×1750×1970 | 2160×1750×2190 | 1070/1070 | |

注 1: 表中斜线上方负载损耗值适用于 Dyn11 或 Yzn11 联结组, 斜线下方的负载损耗值适用于 Yyn0 联结组。

Note1: The load loss above the oblique line in the table applies to Dyn11 or Yzn11; the load loss below the oblique line applies to Yyn0.

外形尺寸 Outline dimension



全密封(带胶囊)片式变压器
Omniseal (encapsulant) sheet type transformer

非全密封片式变压器
Un-omniseal sheet type transformer

全密封波纹式变压器
Omniseal corrugated type transformer

非全密封波纹式变压器
Un-omniseal corrugated type transformer

10kV 系列级配电变压器

10kV Sizes distribution transformer



S11、SZ11 系列 10kV 级电力变压器

S11, SZ11 series 10kV power transformer

630kVA~6300kVA 三相双绕组无励磁调电力变压器

630kVA~6300kVA 3-phase duplex winding non-excited tap-changing distribution transformer

| 额定容量 Rated capacity (kVA) | 电压组合及分接范围 Voltage Combination and Tap range | | | 联结组 标号 Vector group Symble | 损耗 Loss(kW) | | 空载电流 No-load current (%) | 阻抗电压 Impedance Voltage (%) | 重量 Weight (T) | | | 轨迹纵向/ 横向 (mm) Gauge vertical/ horizontal |
|---------------------------------|--|-----------------------------|------------------|--|----------------|------------|-----------------------------------|-------------------------------------|------------------|-----------|-------------|--|
| | 高压 HV (kV) | 高压分接 范围 %HV Tap Range | 低压 LV (kV) | | 空载 No-load | 负载 Load | | | 器身重 Body | 油重 Oil | 总重 Total | |
| | | | | | | | | | | | | |
| 630 | 6 | ± 5 ± 2 × 2.5 | 3 3.15 6.3 | Yd11 | 0.84 | 6.93 | 1.1 | 5.5 | 1.78 | 0.45 | 2.71 | 750/660 |
| 800 | 6.3 | | | | 1.02 | 8.46 | 1.0 | | 2.10 | 0.52 | 3.31 | 850/660 |
| 1000 | 10 | | | | 1.20 | 9.92 | 1.0 | | 2.58 | 0.60 | 3.86 | 850/820 |
| 1250 | 10.5 | | | | 1.42 | 11.80 | 0.9 | | 2.88 | 0.70 | 4.37 | 850/820 |
| 1600 | 11 | | | | 1.71 | 14.11 | 0.8 | | 3.40 | 0.78 | 4.76 | 900/820 |
| 2000 | 11 | | | | 2.04 | 16.93 | 0.8 | | 3.80 | 0.89 | 5.57 | 900/820 |
| 2500 | 10 | | | | 2.40 | 19.67 | 0.8 | | 4.35 | 0.96 | 6.67 | 1070/1070 |
| 3150 | 10 | | | | 2.84 | 23.09 | 0.7 | | 4.94 | 1.18 | 8.50 | 1070/1070 |
| 4000 | 10.5 | | | | 3.48 | 27.36 | 0.7 | | 5.90 | 1.58 | 9.85 | 1070/1070 |
| 5000 | 11 | | | | 4.16 | 31.38 | 0.7 | | 6.85 | 1.76 | 11.58 | 1070/1070 |
| 6300 | 11 | | | | 4.96 | 35.06 | 0.6 | | 7.92 | 1.91 | 13.65 | 1070/1070 |

注 1: 根据用户需要, 可提供高压分接范围为 ± 2 × 2.5% 的变压器。

Note1: According to requirements, the transformer can supply HV tap change ± 2 × 2.5%

200kVA~2500kVA 三相双绕组有载调压配电变压器

200kVA~2500kVA 3-phase duplex winding on-load tap-changing distribution transformer

| 额定容量 Rated capacity (kVA) | 电压组合及分接范围 Voltage Combination and Tap range | | | 联结组 标号 Vector group Symble | 损耗 Loss(kW) | | 空载电流 No-load current (%) | 阻抗电压 Impedance Voltage (%) | 重量 Weight (T) | | | 轨迹纵向/ 横向 (mm) Gauge vertical/ horizontal |
|---------------------------------|--|-----------------------------|---------------|--|----------------|------------|-----------------------------------|-------------------------------------|------------------|-----------|-------------|--|
| | 高压 HV (kV) | 高压分接 范围 %HV Tap Range | 低压 LV (kV) | | 空载 No-load | 负载 Load | | | 器身重 Body | 油重 Oil | 总重 Total | |
| | | | | | | | | | | | | |
| 200 | 6 6.3 10 | ± 4 × 2.5 | 0.4 | Dny11 Yyn0 | 0.39 | 2.91 | 1.5 | 4.0 | 0.98 | 0.26 | 1.53 | 550/550 |
| 250 | | | | | 0.45 | 3.42 | 1.4 | | 1.07 | 0.31 | 1.74 | 650/550 |
| 315 | | | | | 0.54 | 4.10 | 1.4 | | 1.32 | 0.35 | 1.98 | 650/550 |
| 400 | | | | | 0.65 | 4.96 | 1.3 | | 1.58 | 0.43 | 2.27 | 750/550 |
| 500 | | | | | 0.77 | 5.90 | 1.2 | | 1.75 | 0.45 | 2.50 | 750/660 |
| 630 | | | | | 0.97 | 7.27 | 1.1 | | 1.90 | 0.53 | 2.92 | 750/660 |
| 800 | | | | | 1.13 | 8.89 | 1.0 | | 2.15 | 0.60 | 3.32 | 850/660 |
| 1000 | | | | | 1.38 | 10.43 | 1.0 | | 2.48 | 0.68 | 3.71 | 850/820 |
| 1250 | | | | | 1.58 | 12.40 | 0.9 | | 2.62 | 0.77 | 4.20 | 850/820 |
| 1600 | | | | | 1.94 | 14.79 | 0.8 | | 3.10 | 0.88 | 4.85 | 900/820 |
| 2000 | | | | | 2.27 | 18.69 | 0.6 | | 3.98 | 1.08 | 5.88 | 900/820 |
| 2500 | | | | | 2.52 | 21.74 | 0.6 | | 3.95 | 1.30 | 6.37 | 1070/1070 |

注 1: 根据用户需要, 可提供高压绕组电压为 10.5kV 及 11kV 的变压器。

注 2: 根据用户需要, 可提供低压电压为 0.69kV 的变压器。

Note1: According to requirements, the transformer can supply HV winding voltage 10.5kV and 11kV.

Note2: According to requirements, the transformer can supply LV 0.69kV.

10kV 系列级配电变压器

10kV Sizes distribution transformer



S13 系列 10kV 级配电变压器

S13 series 10kV distribution transformer

30kVA~2500kVA 三相双绕组无励磁调压配电变压器

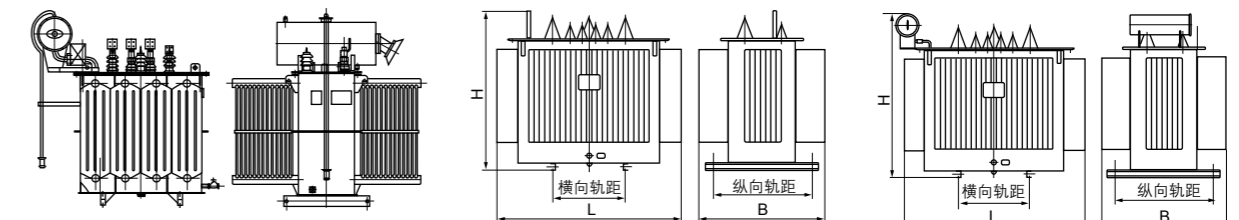
30kVA~2500kVA Three-phase duplex winding non-excited tap-changing distribution transformer

| 额定容量 Rated capacity (kVA) | 电压组合及分接范围 Voltage Combination and Tap range | | | 联结组 标号 Vector group Symble | 损耗 Loss(kW) | | 空载电流 No-load current (%) | 阻抗电压 Impedance Voltage (%) | 重量 Weight (kg) | | | 外形尺寸 boundary dimension(mm) 长(L) × 宽(W) × 高(H) | | 轨迹纵向/ 横向 (mm) Gauge vertical/ horizontal |
|---------------------------------|--|-----------------------------|--------------|--|----------------|------------|-----------------------------------|-------------------------------------|----------------------|-----------|-------------|--|---------------------|--|
| | 高压 HV(kV) | 高压分接 范围 %HV Tap Range | 低压 LV(kV) | | 空载 No-load | 负载 Load | | | 器身重 Body | 油重 Oil | 总重 Total | 全密封 Omniseal | 非全密封 Un-omniseal | |
| | | | | | | | | | | | | | | |
| 30 | 6 6.3 10 10.5 11 | ± 5 ± 2 × 2.5 | 0.4 | Dyn11 Yzn11 Yyn0 | 0.08 | 0.63/0.60 | 2.3 | 4.0 | 130 | 700 | 300 | 710 × 710 × 930 | 930 × 580 × 1000 | 400/400 |
| 50 | | | | | 0.10 | 0.91/0.87 | 2.0 | | 200 | 800 | 400 | 730 × 710 × 1010 | 950 × 600 × 1080 | 400/400 |
| 63 | | | | | 0.11 | 1.09/1.04 | 1.9 | | 240 | 900 | 450 | 750 × 730 × 1040 | 970 × 630 × 1100 | 400/400 |
| 80 | | | | | 0.13 | 1.31/1.25 | 1.9 | | 280 | 100 | 520 | 760 × 740 × 1060 | 980 × 640 × 1120 | 400/400 |
| 100 | | | | | 0.15 | 1.58/1.50 | 1.8 | | 310 | 100 | 550 | 770 × 750 × 1130 | 1000 × 650 × 1200 | 450/400 |
| 125 | | | | | 0.17 | 1.89/1.80 | 1.7 | | 370 | 120 | 640 | 800 × 770 × 1150 | 1030 × 670 × 1220 | 550/550 |
| 160 | | | | | 0.20 | 2.31/2.20 | 1.6 | | 440 | 130 | 740 | 820 × 780 × 1240 | 1050 × 680 × 1310 | 550/550 |
| 200 | | | | | 0.24 | 2.73/2.60 | 1.5 | | 500 | 140 | 810 | 840 × 810 × 1260 | 1070 × 700 × 1330 | 550/550 |
| 250 | | | | | 0.29 | 3.20/3.05 | 1.4 | | 610 | 160 | 970 | 870 × 850 × 1300 | 1100 × 750 × 1370 | 550/550 |
| 315 | | | | | 0.34 | 3.83/3.65 | 1.4 | | 750 | 200 | 1200 | 1180 × 820 × 1390 | 1400 × 720 × 1460 | 550/550 |
| 400 | | | | | 0.41 | 4.52/4.30 | 1.3 | | 900 | 240 | 1420 | 1260 × 840 × 1450 | 1480 × 760 × 1520 | 550/550 |
| 500 | | | | | 0.48 | 5.41/5.15 | 1.2 | | 1050 | 250 | 1620 | 1300 × 860 × 1470 | 1560 × 800 × 1600 | 660/660 |
| 630 | | | | | 0.57 | 6.20 | 1.1 | | 1240 | 280 | 1860 | 1370 × 890 × 1470 | 1630 × 890 × 1570 | 660/660 |
| 800 | | | | | 0.70 | 7.50 | 1.0 | | 1510 | 340 | 2250 | 1430 × 930 × 1580 | 1690 × 930 × 1680 | 820/820 |
| 1000 | | | | | 0.83 | 10.30 | 1.0 | | 1560 | 360 | 2410 | 1600 × 1100 × 1610 | 1860 × 1100 × 1720 | 820/820 |
| 1250 | | | | | 0.97 | 12.00 | 0.9 | | 1910 | 420 | 2930 | 1690 × 1140 × 1750 | 1950 × 1140 × 1860 | 820/820 |
| 1600 | | | | | 1.17 | 14.50 | 0.8 | | 2320 | 520 | 3630 | 1820 × 1650 × 2060 | 1820 × 1650 × 2060 | 820/820 |
| 2000 | | | | | 1.26 | 17.80 | 0.6 | | 2820 | 660 | 4550 | 1920 × 1750 × 2160 | 1920 × 1750 × 2160 | 820/820 |
| 2500 | | | | | 1.49 | 20.70 | 0.8 | | 3550 | 760 | 5470 | 2020 × 1910 × 2260 | 2020 × 1910 × 2260 | 1070/1070 |

注 1: 表中斜线上方负载损耗值适用于 Dyn11 或 Yzn11 联结组, 斜线下方的负载损耗值适用于 Yyn0 联结组。

Note1: The load loss above the oblique line in the table applies to Dyn11 or Yzn11; the load loss below the oblique line applies to Yyn0.

外形尺寸 Outline dimension



全密封 (带胶囊) 片式变压器
Omniseal (encapsulant) sheet type transformer
非全密封片式变压器
Un-omniseal sheet type transformer

全密封波纹式变压器
Omniseal corrugated type transformer

非全密封波纹式变压器
Un-omniseal corrugated type transformer