



## SG Three-phase dry type transformer

DG and SG series single-phase and three-phase dry type transformer adopts high quality material and advanced technology, it has advantages of damp-proof and convenient maintenance, it can be applied to such power transmission and distribution places like underground railway, high building, airport, station, wharf, enterprise, tunnel, etc. It is mainly used in power supply occasions of AC 50~60Hz and voltage less than 500V. All the input and output voltage, connection group and capacity of tapped winding can be designed and produced according to users' requirements.

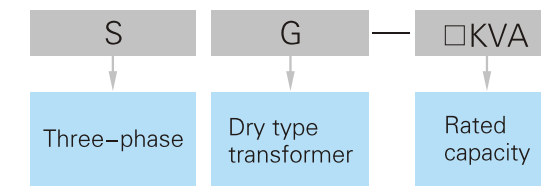
### Working environment

1. Ambient temperature:  $-15^{\circ}\text{C}\sim+40^{\circ}\text{C}$
2. Altitude:  $<1000\text{m}$
3. Relative humidity:  $<90\%$
4. Environment exists without gas, steam, chemical deposition, dust or dirt that will affect transformer's insulation seriously, also explosive or corrosive medium is not allowed.
5. If any special working conditions that are not in line with the above stipulations, user shall negotiate with us.

### technical characters

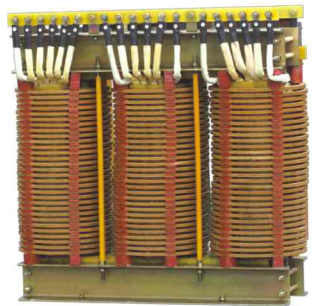
1. Input voltage: rated voltage  $\pm 10\%$
2. Output voltage: rated voltage  $+5\%$  (no load)
3. Efficiency:  $\geq 95\%$
4. Waveform distortion: no additional waveform distortion
5. Function: indication of input voltage, output voltage and current.
6. Protection: over-current protection
7. Can operate itself without anybody attending for a long term
8. Insulation resistance:  $\geq 50\text{M}\Omega$
9. Electric strength: no breakdown or flashover phenomenon under power frequency sine voltage of 2000V for 1min
10. Overload capability: for 1min under two times of rated current

### Model Implication



### Overall size

Model (KVA)	Overall size L × W × H (cm)	Installation size (cm)	Enclosure size L × W × H (cm)	weight (kg)
<b>SG-80</b>	70 × 32 × 67	19.5 × 45	100 × 50 × 104.5	450
<b>SG-100</b>	75 × 35 × 68	21 × 45	100 × 50 × 104.5	490
<b>SG-120</b>	75 × 35 × 68	21.5 × 45	100 × 50 × 104.5	520
<b>SG-150</b>	85 × 37 × 68	23 × 45	120 × 65 × 114.5	650
<b>SG-200</b>	95 × 45 × 68	29 × 45	120 × 65 × 114.5	850
<b>SG-250</b>	94 × 45 × 83	29 × 45	120 × 70 × 124.5	1080
<b>SG-300</b>	105 × 45 × 95	29 × 45	120 × 70 × 124.5	1350
<b>SG自耦-0.5</b>	17 × 7 × 15	11 × 6	32 × 15 × 22	6.5
<b>SG自耦-1</b>	25 × 9 × 20	14 × 8	40 × 20 × 25	8.5
<b>SG自耦-1.5</b>	25 × 10 × 20	14 × 9	40 × 20 × 25	11.5
<b>SG自耦-2</b>	25 × 10.5 × 20	14 × 9.5	40 × 20 × 25	13
<b>SG自耦-3</b>	25 × 11 × 20	14 × 10	40 × 20 × 25	20
<b>SG自耦-5</b>	30 × 12 × 25	20 × 11.5	45 × 25 × 30	26
<b>SG自耦-6</b>	30 × 13 × 25	20 × 12	45 × 25 × 30	39
<b>SG自耦-7</b>	30 × 13.5 × 25	20 × 12.5	45 × 25 × 30	41
<b>SG自耦-8</b>	30 × 14 × 25	20 × 13	45 × 25 × 30	45
<b>SG自耦-10</b>	36 × 14.5 × 30	20 × 14	50 × 25 × 35	49


**Overall size**

Model (KVA)	Overall size L × W × H (cm)	Installation size (cm)	Enclosure size L × W × H (cm)	weight (kg)
<b>SG-0.5</b>	25 × 9 × 20	14 × 8	40 × 20 × 25	10
<b>SG-1</b>	25 × 10 × 20	14 × 9	40 × 20 × 25	19
<b>SG-1.5</b>	25 × 11 × 20	14 × 10	40 × 20 × 25	24
<b>SG-2</b>	25 × 12 × 20	14 × 11	40 × 20 × 25	27
<b>SG-2.5</b>	30 × 12 × 25	20 × 11.5	45 × 25 × 30	30
<b>SG-3</b>	30 × 13 × 25	20 × 12	45 × 25 × 30	40
<b>SG-4</b>	30 × 14 × 25	20 × 13	45 × 25 × 30	45
<b>SG-5</b>	35 × 14.5 × 30	20 × 12.5	50 × 25 × 35	50
<b>SG-6</b>	35 × 15 × 30	20 × 13	50 × 25 × 35	54
<b>SG-7</b>	35 × 15.5 × 30	20 × 13.5	50 × 25 × 35	63
<b>SG-8</b>	35 × 16 × 30	20 × 14	50 × 25 × 35	66
<b>SG-10</b>	42 × 21 × 42	13.5 × 31	70 × 35 × 77	90
<b>SG-20</b>	52 × 24 × 52	15.5 × 40	70 × 35 × 77	180
<b>SG-30</b>	55 × 28 × 65	16.5 × 40	80 × 40 × 87	220
<b>SG-40</b>	61 × 30 × 65	17 × 40	80 × 40 × 87	265
<b>SG-50</b>	61 × 30 × 65	17.5 × 40	100 × 50 × 104.5	295
<b>SG-60</b>	70 × 32 × 66	19 × 45	100 × 50 × 104.5	370
<b>SG-70</b>	70 × 32 × 66	19 × 45	100 × 50 × 104.5	400