

Production introduction

Hermetically-sealed amorphous alloy distribution transformer adopts the amorphous alloy iron as its magnetic material. It is eco-friendly and energy conservation, which complies with the standard of china energy conservation outline issued by National Economic Committee.

Normal service condition

- a. Altitude should not be over 1000m, indoor type
- b. Highest ambient temperature should not over +40°C; highest daily average temperature should not over +30°C
- c. Highest annual average temperature should not over +20°C, lowest temperature should not below -25°C

*We can supply the transformers which operate in special operating conditions according to user's requirements.

Applicable standards

- a. GB1094.1~2-1996, GB1094.3, 4, 5-1985 Power transformer
- b. JB/T10318-2002 Technical parameters and requirements for hermetically-sealed and oil-immersed amorphous alloy distribution transformer.

Character of performance

- a. Iron's magnetic material adopts amorphous alloy, which consists of materials such as iron and boron, etc.
- b. The iron structure of amorphous alloy transformer adopts three phases and five columns.
- c. This kind of transformer has same load-loss with S9 series, but the no-load loss of SBH-15 transformers are decreased by approx. 75% by comparing with S9 series. It can save electricity and decrease the loss cost. Generally, we can take back the extra investment in four years compared with the silicon-steel iron transformer.
- e. Under the normal operation, it does not need to change oil, which decreases the transformer's maintenance cost and prolongs the service life.

Note for placing order

Transformer type: rated capacity kVA
 Number of phases: three-phase single-phase
 High voltage: KV/Low voltage: KV
 Frequency: 50HZ 60HZ
 Tapping range: $\pm 4 \times 2.5\%$ $\pm 3 \times 2.5\%$ other
 Connection group: Yyn0 Dyn11 other
 Impedance voltage: 4% 6% other
 Cooling method: ONAN ONAF
 Protecting grade of outer casing: IP00 IP20 IP30 other

Method of incoming and outgoing line:

1. Incoming line to lower part and outgoing line from upper part
2. Incoming line to upper part and outgoing line from upper part
3. Incoming line to lower part and outgoing line from side part
4. other

*if customer has no requirement, the color of outer casing is light grey (the standard color of ANDELI), or you should indicate color code that you want

Main technical parameters of S9-M-30~2500/10 series of transformers

Rated capacity(KVA)	Voltage combination(KV)			Connecting group	No-load lossess(W)	Load-loss(W) (75°C)	Short circuit impedance(%)	No-load current(%)	Weight(kg)		Overall dimension(mm) Length×Width×Height	Gauge(mm)									
	High voltage(KV)	Tapping(%)	Low voltage(KV)						Body	Gross weight											
50	6.3	±2×2.5%	0.4	Dyn11	43	870	4	1.3	180	880	950×820×1040	400×550									
100					75	1500		1.0	180	880	1080×770×1070	400×550									
160					100	2200		0.7	200	1100	1100×830×1200	550×550									
200					120	2600		0.7	220	1190	1150×850×1250	550×550									
250	10				±2×2.5%	0.4	Dyn11	140	3050	4.5	0.7	250	1350	1260×870×1200	660×660						
315								170	3650		0.5	280	1600	1350×910×1250	660×660						
400	10.5							±2×2.5%	0.4		Dyn11	200	4300	0.5	330	1900	1450×920×1300	660×660			
500												240	5150	0.5	350	2100	1410×960×1280	660×660			
630	11											±2×2.5%	0.4	Dyn11	320	6200	0.3	420	2450	1900×980×1450	660×660
800															380	7500	0.3	500	2900	1980×1000×1350	820×820
1000															450	10300	0.3	550	3300	2080×1150×1310	820×820
1250															530	12000	0.2	680	4000	2180×1190×1450	820×820
1600															630	14500	0.2	750	4600	2250×1380×1600	1070×1070