



# **GRIDSTONE**

HV Cast Resin Dry Transformer



# Cast Resin Dry Transformer



## ***Product Features***

- Safe and Environmental
- With German HTT technology, high mechanical strength and reliability, long lifetime.
- Low energy loss, low noise. Maintenance free, easy installation
- Good heat dissipation performance, strong load capacity
- Good moisture resistant performance. Adaptable to the high humidity and harsh environment.
- Temperature monitoring and protection system (Optional)

## **GridStone Electric Co.Ltd.**

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# Cast Resin Dry Transformer

## SC(B) 30-100kVA Dry Transformers 10kV

Rated Power (Kva)	Voltage Combination			Connection Symbol	Short Circuit Impedance (%)	No-Load Loss(W)	On-Load Loss 75C° (W)	No-Load Current (%)	Noise Level (Db)	Weight (KG)
	H.V (kV)	Tapping Range	L.V (kV)							
30	6	±5% ±2×2.5%	0.4	Y yn0 Dyn11	4	220	650	2	45	225
50	6.3					310	920	1.5	45	300
63	6.6					380	1050	1.5	46	470
80	10					410	1270	1.1	46	500
100						450	1450	1.1	46	620

## SC(B)9 125-2500 Dry Transformer 10kV

Rated Power (Kva)	Voltage Combination			Connection Symbol	Short Circuit Impedance (%)	No-Load Loss(W)	On-Load Loss 75C° (W)	No-Load Current (%)	Noise Level (Db)	Weight (KG)
	H.V (kV)	Tapping Range	L.V (kV)							
125	6 6.3 6.6 10	±5% ±2×2.5%	0.4	Y yn0 Dyn11	4	530	1700	1	46	650
160						610	1960	0.9	46	850
200						700	2330	0.9	47	870
250						810	2540	0.9	48	1100
315						990	3200	0.8	48	1400
400						1100	3680	0.8	49	1550
500						1300	4500	0.7	49	1700
630						1500	5420	0.6	49	2200
800						1700	6430	0.5	51	2500
1000					1990	7510	0.5	52	2900	
1250					2350	8960	0.4	53	3550	
1600					2750	10840	0.4	54	4600	
2000					3730	13360	0.3	55	5500	
2500					4500	15870	0.3	56	6200	

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# Cast Resin Dry Transformer

## SC(B)10 125-2500/10 Dry Transformer 10kV

Rated Capacity	Voltage Combination			Connection Symbol	Short Circuit Impedance (%)	No-Load Loss(W)	On-Load Loss 75C° (W)	No-Load Current (%)	Noise Level (Db)	Weight (KG)			
	HV (kV)	Taping Range	L.V (kV)										
125	6 6.3 6.6 10	±5% ±2×2.5%	0.4	Y yn0 Dyn11	4	480	1610	0.9	45	750			
160						550	1860	0.9	45	900			
200						630	2210	0.8	46	1050			
250						730	2410	0.8	47	1280			
315						890	3040	0.7	47	1550			
400						990	3490	0.7	48	1700			
500						1170	4280	0.6	48	2150			
630						1350	5150	0.5	48	2400			
800					6				1530	6100	0.4	50	2950
1000									1790	7130	0.4	51	3500
1250									2110	8500	0.3	52	3900
1600									2470	10290	0.3	53	4600
2000									3350	12690	0.25	54	5500
2500									4000	15080	0.25	54	6200

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# Cast Resin Dry Transformer

## SC(B)10 Series Dry Type 20kV

Rated Capacity (kVA)	Voltage Class and Tap Range			Vector Group Symbol	No-Load Loss(W)	On Load Loss/W			No Load Current (%)	UK (%)	
	H.V (kV)	HV Tap Range(%)	LV (kV)			130°C (B)	155°C (F)	180°C (H)			
50	20	±5 ±2.5	0.4	Dyn11 Yyn0	340	1160	1230	1310	2.0	6.0	
100					540	1870	1990	2130	1.8		
150					670	2380	2470	2640	1.6		
200					730	2770	2940	3140	1.5		
250					840	3220	3420	3660	1.3		
315					970	3850	4080	4360	1.3		
400					1150	4650	4840	5180	1.1		
500					1350	5460	5790	6190	1.1		
630					22	1530	6450	6840	7320		1.0
800					24	1750	7790	8260	8840		1.0
1000					2070	9220	8780	10400	0.85		
1250					2380	10800	11800	12300	0.85		
1600					2790	13000	13800	14800	0.85		
2000					3240	15400	16300	17500	0.70		
2500					3870	18200	19300	20700	0.70		
2000					3240	16800	17800	19100	0.70	8.0	
2500					3870	20000	21200	22700	0.70		

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# Cast Resin Dry Transformer

## SC(B) 11 Series Dry Type 20kV

Rated Capacity (kVA)	Voltage Class and Tap Range			Vector Group Symbol	No Load Loss/W	On Load Loss/W			No Load Current (%)	UK (%)
	H.V (kV)	HV Tap Range(%)	L.V (kV)			130°C (B)	155°C (F)	180°C (H)		
50	20	±5 ±2.5	0.4	Dyn11 Yyn0	305	1160	1230	1310	2.0	6.0
100					485	1870	1990	2130	1.8	
150					605	2380	2470	2640	1.6	
200					660	2770	2940	3140	1.5	
250					755	3220	3420	3660	1.3	
315					875	3850	4080	4360	1.3	
400					1035	4650	4840	5180	1.1	
500					1215	5460	5790	6190	1.1	
630					1380	6450	6840	7320	1.0	
800					1575	7790	8260	8840	1.0	
1000					1865	9220	8780	10400	0.85	
1250					2145	10800	11800	12300	0.85	
1600					2510	13000	13800	14800	0.85	
2000					2916	15400	16300	17500	0.70	
2500					3485	18200	19300	20700	0.70	
2000					2915	16800	17800	19100	0.70	8.0
2500					3485	20000	21200	22700	0.70	

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# Cast Resin Dry Transformer

## SC(B) 13 Series Dry Type 20kV

Rated Capacity (kVA)	Voltage Class and Tap Range			Vector Group Symbol	No Load Loss/W	On Load Loss/W			No Load Current (%)	UK (%)	
	HV (kV)	HV Tap Range(%)	L.V (kV)			130°C (B)	155°C (F)	180°C (H)			
50	20	±5 ±2.5	0.4	Dyn11 Yyn0	240	1160	1230	1310	2.0	6.0	
100					380	1870	1990	2130	1.8		
150					670	2380	2470	2640	1.6		
200					470	2770	2940	3140	1.5		
250					590	3220	3420	3660	1.3		
315					680	3850	4080	4360	1.3		
400					805	4650	4840	5180	1.1		
500					945	5460	5790	6190	1.1		
630					1070	6450	6840	7320	1.0		
800					1225	7790	8260	8840	1.0		
1000					1450	9220	8780	10400	0.85		
1250					1665	10800	11800	12300	0.85		
1600					1955	13000	13800	14800	0.85		
2000					2270	15400	16300	17500	0.70		
2500					2710	18200	19300	20700	0.70		
2000					2270	16800	17800	19100	0.70		8.0
2500					2710	20000	21200	22700	0.70		

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# Cast Resin Dry Transformer

## SC(B) Dry Transformer 35kV

Rated Power (kVA)	Voltage Combination			Vector Group Symbol	Short circuit impedance (%)	No-Load Loss (W)	Load Loss 75°C (W)	No-Load Current (%)
	H.V (kV)	Tapping Range (%)	L.V (kV)					
30	33 35 38.5	±5% ±2×2.5%	0.4	Yyn0 Dyn11	6	350	1020	2.8
50						450	1300	2.8
63						500	1500	2.6
80						580	1800	2.6
100						650	2130	2.4
125						730	2410	2.4
160						860	2680	2.2
200						1000	3100	2.2
250						1150	3560	2.2
315						1320	3890	2
400						1550	5000	2
500						1820	6150	2
630						2090	7150	1.8
800						2450	8420	1.8
1000						2720	9720	1.8
125						3180	11840	1.6
1600						3640	14340	1.6
2000						4270	16650	1.4
2500						5000	18500	1.4

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