

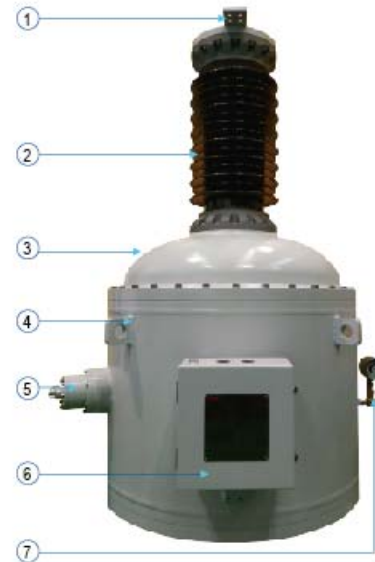
Power Potential Transformer

Introduction

- Power Potential Transformer is one of special voltage transformer, its main function as auxiliary power supply for the switch substation which has not distribution network lines in remote areas , also it is suitable for more economical solution of end user,A tertiary winding of the power transformer can be avoided by the Power Potential Transformer (Power PT) that supplies the needed power directly from the transmission line to the substation operating as conventional Voltage Transformer at the same time.

Features

- Cost-effective power supply solution;
- The product can be directly connected to the high-voltage transmission line to take power, which is simple and reliable;
- The product runs stably and is safe and reliable;
- Reliable internal insulation, SF6 and oil immersion can be customized.



SGPVT-100/72.5

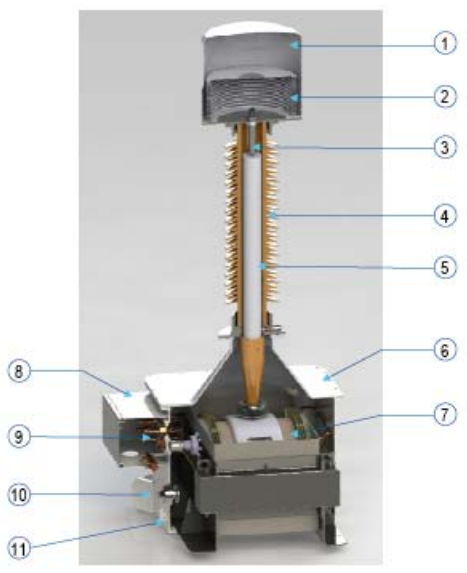
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|--|----------------------|
| 1. Primary conductive bar | 4. Hanging point |
| 2. External insulation:
Silicone rubber or
porcelain | 5. Tap-changer |
| 3. Shell | 6. Outlet box |
| | 7. Gas density table |

Technical Parameter

Power Potential Transformer							
Sieyuan Registration Type---SF8 Insulation		SGPVT					
Maximum system voltage	kV	72.5	123	145	245	362	550
Rated power frequency withstand voltage	kV	160	230	275	480	510	680
Rated lighting impulse withstand voltage	kV	325	550	650	1050	1175	1550
Rated switching impulse withstand voltage	kV	-	-	-	-	950	1175
Output	kVA	10/25/50/100/125/150					
Standard output voltage	V	220/380,120/240					
Rated voltage factor		1.5 (30s)					
Rated frequency	Hz	60					
Creepage distance	mm/kV	25-31 (Customizable)					
Temperature range	°C	-50 ~ +40					
Insulation class		E					
Insulator Type		Porcelain/Composite					
Accuracy class		0.3/0.8/1.2 (Customizable)					
Applicable standard		IEEE C57.12/IEEE 693/IEEE C57.13/IEC 61869/IEC 60078					



SOPVT-100/72.5



- 1. Expander cover
- 2. Expander
- 3. Primary conductor
- 4. Insulator: Silicone rubber or porcelain
- 5. Capacitance screen bushing

- 6. Tank cover
- 7. High&low voltage coil
- 8. Terminal box
- 9. Secondary terminal
- 10. Oil drain valve
- 11. Tank

Technical Parameter

Power Potential Transformer						
Sieyuan RegistrationType Oil Insulation	SOPVT					
Rated Voltage	kV	72.5	123	145	170	252
Rated power frequency withstand voltage	kV	160	230	275	325	480
Rated lightning withstand voltage	kV	325	550	650	750	1050
Output	kVA	10-150kVA(Or others)				
Rated output voltage	V	220/380,120/240(Or others)				
Rated voltage factor		1.5(30s)				
Rated frequency	Hz	50/60				
Creepage distance	mm/kV	25-31(Or others)				
Temperature range	℃	-50~+40				
Insulation class		E				
Insulator Type		Porcelain/Composite				
Accuracy class		0.3/0.8/1.2 (Customizable)				
Applicable standard		IEEE C57.12/IEEE 693/IEEE C57.13/IEC 61869/IEC 60078				