

珠海泰为电子有限公司

Zhuhai Tai-Action Electronics Co., Ltd

High Voltage Static Var Generator





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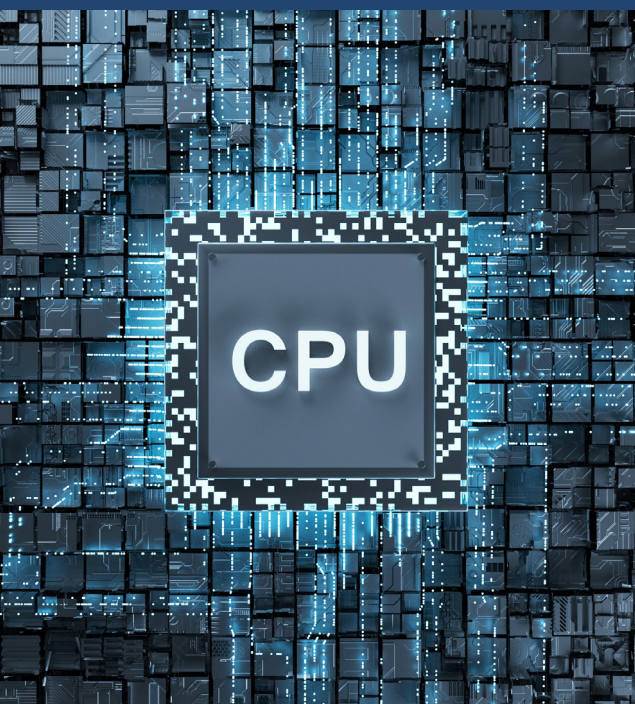
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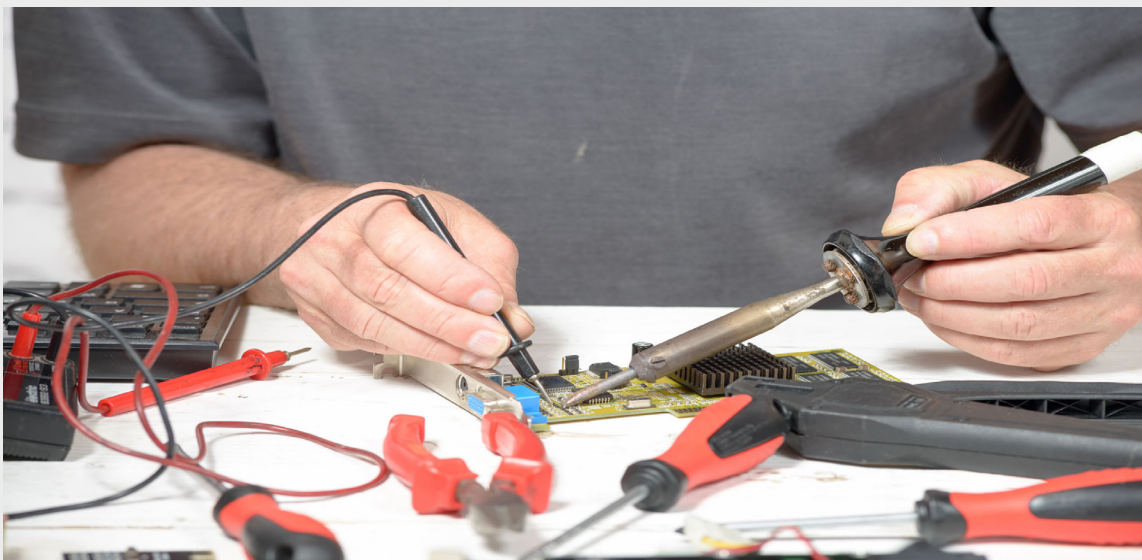
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Tai-Action - HSVG Introduction



Features

1. Improving system power factor, stabilizing grid voltage, and reducing losses;
2. Suppressing the impact of load on the reactive power of the grid, reducing voltage fluctuations and flicker;
3. Reducing the three-phase imbalance and suppressing system oscillation;
4. High voltage active filtering and high voltage reactive compensation can be realized simultaneously by configuration.



Brif Introduction

Tai-HSVG series high-voltage static reactive power generation device has many characteristics, such as fast response, low loss, high reliability, small floor space, achieves compensation while filter. It can be widely used in reactive power control in smart grid, new energy, metallurgy, rail transit and other industries. It has great effects on power quality problems caused by electric arc furnaces, refining furnaces, rolling mills and hoists.

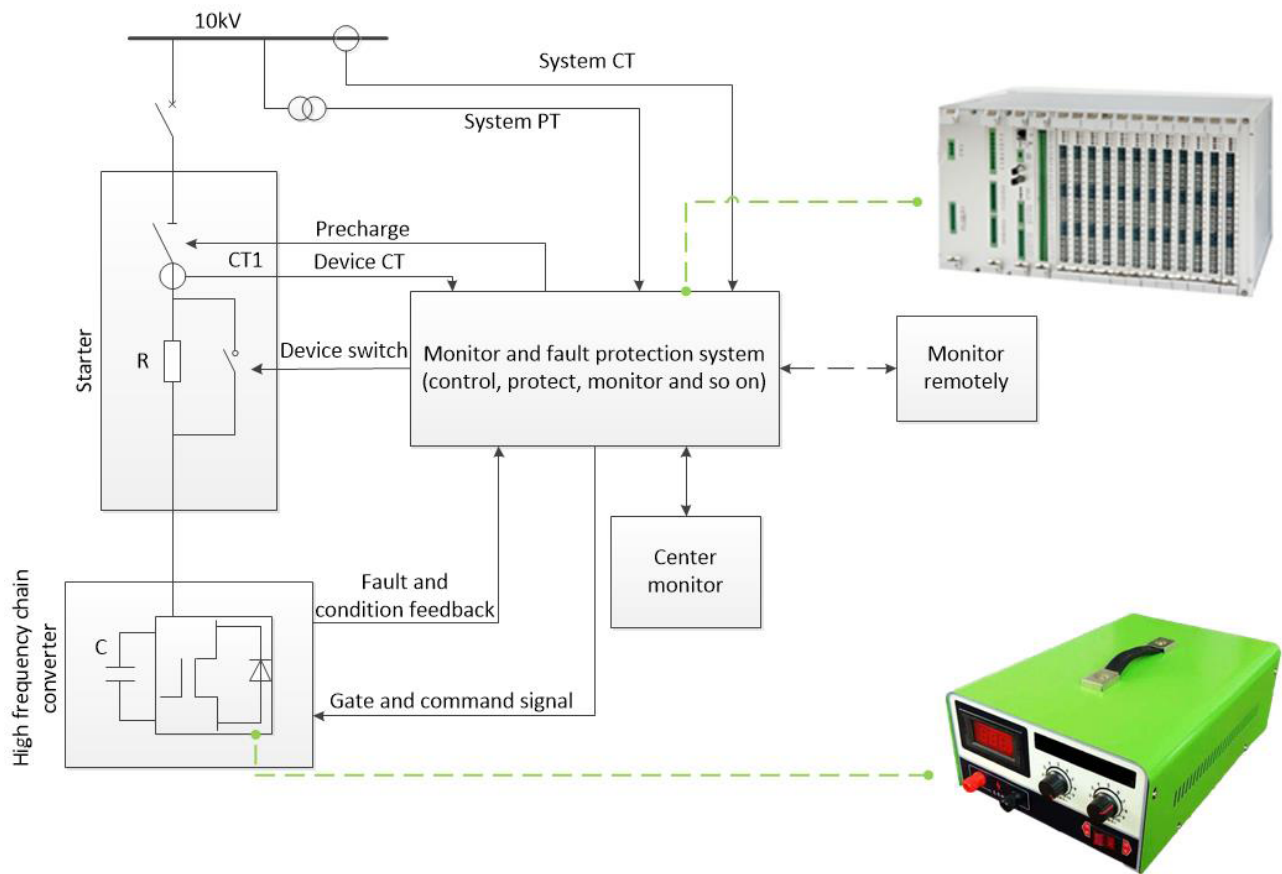


Technical Features

1. Having wide compensation range, can continuously output in the range of inductive rated reactive to capacitive rated reactive;
2. A certain number of harmonic currents can be output for harmonic control;
3. The power unit adopts a modular design, and the N+1 (or N+2) redundant configuration has a fast response speed;
4. Achieving that output in 5 milliseconds from zero reactive to rated reactive;
5. The use of high-reliability raw materials and components, most of which are imported from Europe and the United States, with reliable quality and excellent performance;
6. Perfect protection function: it's mainly aim at the harm like: overload, inverter over/under voltage, over current, overheating;
7. Can be used with capacitors;

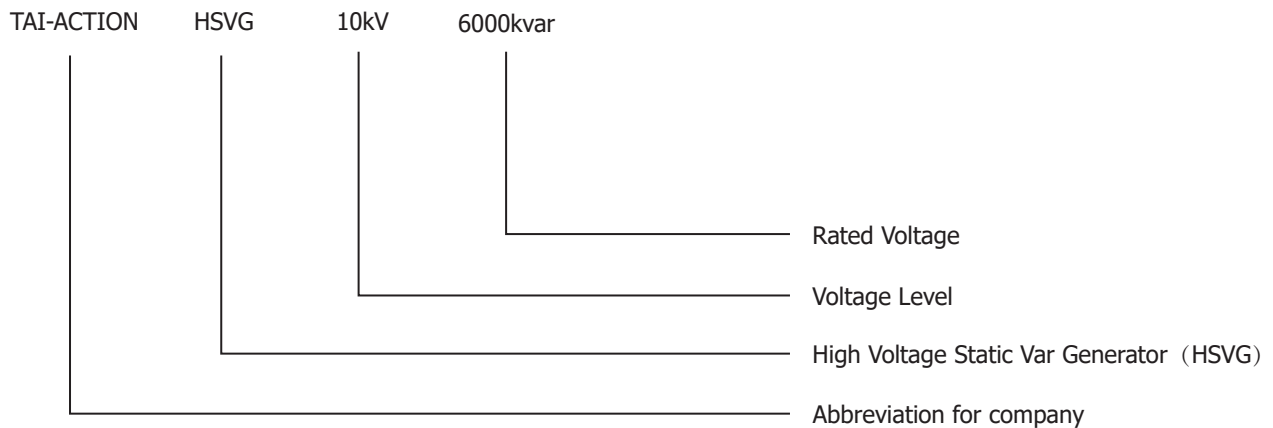


System Structure



Model Description

For example: Tai-Action-HSVG-10/6000 means 10kV, 6000kVar static var compensator.



Technical Parameter

Number	Name	Value	Number	Name	Value
1	Rated Voltage	6kV/10 kV /27.5kV/35 kV	8	Ambient Temperature	-10℃ ~+45℃
2	Response Time (ms)	≤ 5ms	9	Storage Environment Temperature	-25℃ ~+55℃
3	Active Loss	≤ 2% rated power	10	Environment humidity	≤ 95% (no condensation)
4	Overload Capability	1.1 times overload continuous operation	11	Altitude	< 1000 meters (supporting customization)
5	Voltage Allowable Imbalance	≤ 60%	12	Seismic Resistance	Class VII
6	Harmonic Characteristics	Harmonic current distortion rate <4%	13	Cooling Mode	Forced air cooling
		Harmonic rejection rate >85% when dealing with harmonics	14	Pollution Grade	Class III
7	Communication ports	Ethernet、RS485/232、4G			

Application



Challenge Innovation and break through change

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