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**Voltage regulator (DBW/SBW automatic compensated type)**

**General**

DBW . SBW series single - phase and threephase full automatic compensated voltage regulator (hereinafter referred to as voltage regulator or stabilizer ) is designed for stabilizing AC voltage and made with Western Europe advanced technology and on the basis of our country national conditions . It can keep output voltage in steady state automatically when the power network voltage fluctuates or the load current varies. Compared with other voltage stabilizers, it has the advantage of large capacity, high efficiency, no wave distortion, stable voltage adjustment, suitability for kinds of loads, bearing instantaneous overload, working continually for long time, as well as free transferring between manual control and automatic control, etc, besides, it is provided with protection against over-voltage, over current, phase failure and protection for phase sequence and has following merits: small volume, light weight, convenient installation and reliable running and so on. It can be applied to large type electromechanical equipment, metal processing equipment , production line , construction device , elevator , medical equipment, equipment of light and textileindustry, air-condition, TV set, household appliance and lighting used for industry, agriculture, traffic, military, railroad, scientific culture, etc, where need voltage stabilization.



**Main technology characteristics**

■ Input voltage:

Three-phase: three-phase four-wire phase voltage 220+20%, wire voltage 380V+20% or phase voltage 220+30%, wire voltage 380V + 30%, they can be selected ( please indicate when placing an order) Single phase: 220V+20% or 220V+30%, it can be selected ( please indicate when placing an order)

■ Output voltage:

Three-phase: three-phase four-wire phase voltage 220V, wire voltage 380V Single-phase: 220V

■ Accuracy of output voltage: 2-5% (adjustable)

■ Efficiency: 95% ( power class: more than 50KVA)

■ Response speed: 1.5S (when outside voltage has 10% of change)

■ Waveform distortion: no additive waveform distortion

■ Protection : protection against over voltage , over current , phase failure and machine fault, as well as phase sequence protection (single-phase and three-phase 150KVA below has no phase failure and is provided with phase sequence protection).

■ Voltage stabilization, convenient switching for commercial power (single phase has no function)

■ Start automatically or by hand (can be chosen) when power is on.

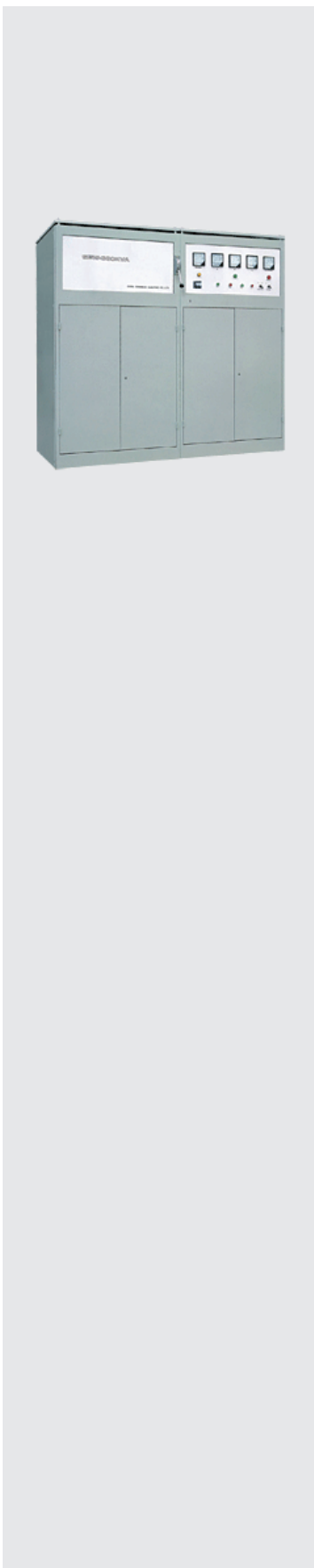
■ Can work continuously for a long time without anybody attending.

■ Insulation resistance: 2M

■ Electric strength: bear power frequency sine voltage 2,000V for 1 min without breakdown or flash over.

■ Overload capability: 2 times rated current, keeping 1 min (voltage stabilizer special for elevator and CT)





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**Model and specification**

Model	Rated capability (KVA)	Output max current	Size(mm)D*W*H	Cabinet Qty	Weight(kg)	
DBW-10	10	45	500*650*1320	One	270	
DBW-15	15	68	500*650*1320		275	
DBW-20	20	91	500*650*1320		283	
DBW-25	25	114	500*650*1320		300	
DBW-30	30	136	500*650*1320		310	
DBW-40	40	182	500*700*1500		330	
DBW-50	50	227	620*800*1500		360	
DBW-60	60	273	620*800*1500		365	
DBW-80	80	364	680*920*1620		480	
DBW-100	100	455	680*920*1620		490	
DBW-120	120	545	680*920*1620		496	
DBW-150	150	682	680*920*1750		530	
DBW-180	180	818	680*920*1750		540	
DBW-200	200	909	680*920*1750		550	
SBW-20	20	30	570*700*1210		One	289
SBW-30	30	45	570*700*1210	300		
SBW-50	50	76	570*700*1210	315		
SBW-60	60	91	570*700*1210	320		
SBW-80	80	121	620*800*1370	460		
SBW-100	100	152	620*800*1370	480		
SBW-120	120	182	620*800*1370	482		
SBW-150	150	227	680*920*1620	650		
SBW-180	180	273	680*920*1620	673		
SBW-200	200	303	680*920*1620	680		
SBW-225	225	341	800*1000*1750	810		
SBW-250	250	379	800*1000*1750	830		
SBW-300	300	455	900*1100*1860	1040		
SBW-320	320	485	900*1100*1860	1052		
SBW-350	350	530	900*1100*1860	1080		
SBW-400	400	606	900*1100*1860	1106		
SBW-450	450	681	900*1100*1860	1113		
SBW-500	500	758	900*900*1860	Two	1500	
SBW-600	600	909	900*900*1860		1600	
SBW-800	800	1212	1000*1350*1860		2670	
SBW-1000	1000	1515	1000*1350*1860	3150		
SBW-1200	1200	1818	900*900*1860	Four	3650	
SBW-1400	1400	2121	1000*1100*1860		4200	
SBW-1600	1600	2424	1000*1100*1860		4707	
SBW-1800	1800	2727	1000*1200*1860		5207	
SBW-2000	2000	3030	1000*1200*1860		5800	
SBW-3000	3000	4545	1000*1400*1860		7200	
SBW-J-20	20	30	570*700*1210	One	289	
SBW-J-30	30	45	570*700*1210		300	
SBW-J-50	50	76	570*700*1210		315	
SBW-J-60	60	91	570*700*1210		320	
SBW-J-80	80	121	620*800*1370		460	
SBW-J-100	100	152	620*800*1370		480	
SBW-J-120	120	182	620*800*1370		482	
SBW-J-150	150	227	680*920*1620		650	
SBW-J-180	180	273	680*920*1620		673	
SBW-J-200	200	303	680*920*1620		680	
SBW-J-225	225	341	800*1000*1750		810	
SBW-J-250	250	379	800*1000*1750		830	
SBW-DT-20	20	30	950*500*1020		One	220
SBW-DT-30	30	45	950*500*1020			230
SBW-DT-50	50	76	950*500*1020			240
SBW-CT-20	20	30	950*500*1020	One	220	
SBW-CT-30	30	45	950*500*1020		230	
SBW-CT-50	50	76	950*500*1020		240	

