



DBW.SBW

SERIES SINGLE-PHASE AND THREE-PHASE
FULL-AUTOMATIC COMPENSATED VOLTAGE STABILIZER



General

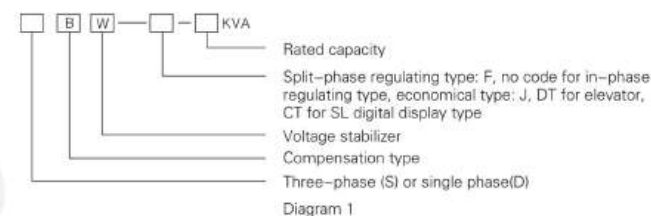
DBW, SBW series single-phase and three-phase full-automatic compensated voltage stabilizer (hereinafter referred to as voltage stabilizer) is designed for stabilizing AC voltage and made with Western Europe advanced technology and on the basis of our country national conditions. It can keep output voltage 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 textile industry, air-condition, TV set, household appliance and lighting used for industry, agriculture, traffic, military, railroad, scientific culture, etc. where need voltage stabilization.

The product is used indoors, the normal service conditions for it as follows:

1. Temperature environment: $-15^{\circ}\text{C} \sim +40^{\circ}\text{C}$;
2. Altitude: $<1,000\text{ m}$;
3. Relative humidity: 90% ;
4. No gas, steam, chemical precipitate, dust, dirt or any explosive or corrosive medium, which can seriously affect the insulation of voltage stabilizer in the installation place.
5. No serious vibration or jolt in the installation place.

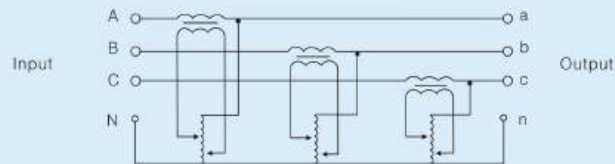
Model

The model description for this voltage regulator as follows (diagram 1):



Main technical characteristics

- a. Input voltage: Three-phase: three-phase four-wire phase voltage $220 \pm 20\%$, wire voltage $380V \pm 20\%$ or phase voltage $220 \pm 30\%$, wire voltage $380V \pm 30\%$, they can be selected (please indicate when placing an order)
Single phase: $220V \pm 20\%$ or $220V \pm 30\%$, it can be selected (please indicate when placing an order)
- b. Output voltage:
Three-phase: three-phase four-wire phase voltage $220V$, wire voltage $380V$
Single-phase: $220V$
- c. Accuracy of output voltage: $2-5\%$ (adjustable)
- d. Efficiency: $\geq 95\%$ (power class: more than $50KVA$)
- e. Response speed: $\leq 1.5S$ (when outside voltage has 10% of change)
- f. Waveform distortion: no additive waveform distortion
- g. 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).
- h. Voltage stabilization, convenient switching for commercial power (single phase has no function)
- i. Start automatically or by hand (can be chosen) when power is on.
- h. Can work continuously for a long time without anybody attending.
- k. Insulation resistance: $\geq 2M\Omega$
- i. Electric strength: bear power frequency sine voltage $2.000V$ for 1 min without breakdown or flash over.
- m. Overload capability: 2 times rated current, keeping 1 min (voltage stabilizer special for elevator and CT)



Model & spec.

Model	Rated capability (KVA)	Output max current (A)	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

Model	Rated capability (KVA)	Output max current (A)	Size (mm) D×W×H	Cabinet QTY	Weight (kg)
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	1200×1400×1860		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

MEMORANDUM



Blank lined area for memorandum content on the left side.

Blank lined area for memorandum content on the right side.