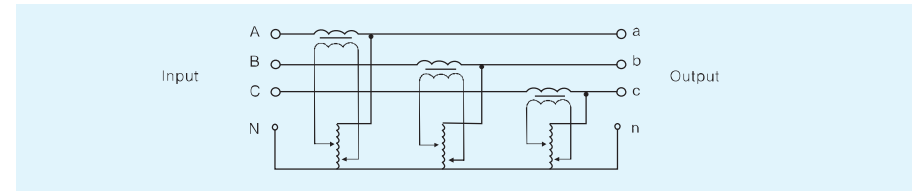


DBW,SBW,SBW-F

HIGH ACCURACY
SERVO MOTOR CONTROL
SINGLE-PHASE AND THREE-PHASE
FULL-AUTOMATIC COMPENSATED VOLTAGE STABILIZER



Main technical characteristics

- a. Input voltage:
Three-phase: three-phase four-wire phase voltage $220 \pm 20\% (\pm 30\%)$, wire voltage $380V \pm 20\% (\pm 30\%)$
Single phase: $220V \pm 20\% (\pm 30\%)$,
(can do other required voltage range)
- 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: ■ 95% (power class: more than 50KVA)
- e. Response speed: ■ 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: ■ 2M ■
- l. 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

General

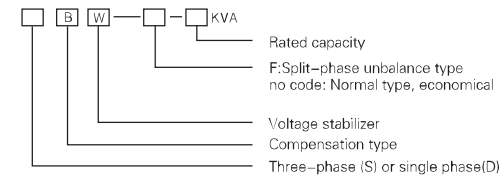
DBW, SBW series single – phase and three – phase full – automatic compensated voltage stabilizer (hereinafter referred to as voltage stabilizer) is designed for stabilizing AC voltage and made with Western Europe advanced technology and on the basis of our country national conditions. It can keep output 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 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 & spec.

The model description for this voltage regulator as follows:



TYPES	OUTPUT MAX CURRENT	PRODUCT SIZE D x W x H(cm)	CABINET	WEIGHT (kgs)	PACKAGE SIZE D x W x H(cm)
DBW-10KVA	45	65 x 50 x 135	1	180	80 x 65 x 152
DBW-15KVA	68	65 x 50 x 135	1	230	80 x 65 x 152
DBW-20KVA	91	65 x 50 x 135	1	258	80 x 65 x 152
DBW-25KVA	114	65 x 50 x 135	1	279	80 x 65 x 152
DBW-30KVA	136	65 x 50 x 135	1	290	80 x 65 x 152
DBW-40KVA	182	80 x 62 x 143	1	330	95 x 77 x 160
DBW-50KVA	227	80 x 62 x 143	1	338	95 x 77 x 160
DBW-60KVA	272	80 x 62 x 143	1	354	95 x 77 x 160
DBW-70KVA	318	90 x 68 x 162	1	368	105 x 83 x 179
DBW-80KVA	363	90 x 68 x 162	1	390	105 x 83 x 179
DBW-100KVA	455	90 x 68 x 162	1	410	105 x 83 x 179
DBW-120KVA	545	90 x 68 x 162	1	430	105 x 83 x 179
DBW-150KVA	682	100 x 80 x 165	1	470	115 x 95 x 182
DBW-180KVA	818	100 x 80 x 165	1	491	115 x 95 x 182
DBW-200KVA	909	100 x 80 x 165	1	530	115 x 95 x 182

TYPES	OUTPUT MAX CURRENT	PRODUCT SIZE D x W x H(cm)	CABINET	WEIGHT (kgs)	PACKAGE SIZE D x W x H(cm)
SBW-10KVA	15	65 x 52 x 118	1	210	80 x 67 x 135
SBW-15KVA	23	65 x 52 x 118	1	215	80 x 67 x 135
SBW-20KVA	30	65 x 52 x 118	1	230	80 x 67 x 135
SBW-30KVA	45	65 x 52 x 118	1	240	80 x 67 x 135
SBW-50KVA	76	60 x 72 x 118	1	287	75 x 87 x 135
SBW-60KVA	91	60 x 72 x 118	1	301	75 x 87 x 135
SBW-80KVA	121	65 x 82 x 128	1	379	80 x 97 x 145
SBW-100KVA	152	65 x 82 x 128	1	414	80 x 97 x 145
SBW-120KVA	182	65 x 82 x 128	1	435	80 x 97 x 145
SBW-150KVA	227	90 x 77 x 162	1	577	105 x 92 x 179
SBW-180KVA	273	90 x 77 x 162	1	600	105 x 92 x 179
SBW-200KVA	303	90 x 77 x 162	1	610	105 x 92 x 179
SBW-225KVA	341	100 x 80 x 165	1	705	115 x 95 x 182
SBW-250KVA	379	100 x 80 x 165	1	728	115 x 95 x 182
SBW-300KVA	455	110 x 90 x 185	1	90	125 x 105 x 202
SBW-320KVA	486	110 x 90 x 185	1	915	125 x 105 x 202
SBW-350KVA	531	110 x 90 x 185	1	940	125 x 105 x 202
SBW-400KVA	607	110 x 100 x 185	1	1020	125 x 115 x 202
SBW-450KVA	683	110 x 100 x 185	1	1063	125 x 115 x 202
SBW-500KVA	759	90 x 100 x 185	2	1350	105 x 115 x 202
SBW-600KVA	911	90 x 100 x 185	2	1390	105 x 115 x 202
SBW-500KVA	759	120 x 100 x 200	1	1300	135 x 115 x 217
SBW-600KVA	911	120 x 100 x 200	1	1340	135 x 115 x 217

Model & spec.



TYPES	OUTPUT MAX CURRENT	PRODUCT SIZE D x W x H(cm)	CABINET	WEIGHT (kgs)	PACKAGE SIZE D x W x H(cm)
SBW-F-10kVA	15	90 x 68 x 132	1	310	105 x 83 x 149
SBW-F-15kVA	23	90 x 68 x 132	1	330	105 x 83 x 149
SBW-F-20kVA	30	90 x 68 x 132	1	350	105 x 83 x 149
SBW-F-30kVA	45	90 x 68 x 132	1	410	105 x 83 x 149
SBW-F-50kVA	76	90 x 68 x 132	1	508	105 x 83 x 149
SBW-F-80kVA	121	100 x 80 x 142	1	610	115 x 95 x 159
SBW-F-100kVA	152	100 x 80 x 142	1	670	115 x 95 x 159
SBW-F-120kVA	182	100 x 80 x 142	1	870	115 x 95 x 159
SBW-F-150kVA	227	135 x 85 x 160	1	1028	150 x 100 x 177
SBW-F-180kVA	273	135 x 85 x 160	1	1080	150 x 100 x 177
SBW-F-200kVA	303	135 x 85 x 160	1	1143	150 x 100 x 177
SBW-F-225kVA	341	135 x 100 x 165	1	1250	150 x 115 x 182
SBW-F-250kVA	379	135 x 100 x 165	1	1290	150 x 115 x 182
SBW-F-300kVA	455	135 x 100 x 185	1	1380	150 x 115 x 202
SBW-F-320kVA	485	135 x 100 x 185	1	1410	150 x 115 x 202
SBW-F-350kVA	530	135 x 100 x 185	1	1430	150 x 115 x 202
SBW-F-400kVA	606	135 x 100 x 185	1	1455	150 x 115 x 202
SBW-F-450kVA	681	135 x 100 x 185	1	1481	150 x 115 x 202
SBW-F-500kVA	758	135 x 105 x 185	1	1580	150 x 125 x 202
SBW-F-600kVA	909	135 x 105 x 185	1	1640	150 x 125 x 202
SBW-F-800kVA	1212	80 x 100 x 185	3	2180	95 x 115 x 202
SBW-F-1000kVA	1520	80 x 100 x 185	3	2370	95 x 115 x 202
SBW-F-1200kVA	1818	90 x 110 x 185	3	2670	105 x 125 x 202
SBW-F-1400kVA	2100	110 x 100 x 185	4	3500	125 x 115 x 202
SBW-F-1600kVA	2424	110 x 100 x 185	4	3800	125 x 115 x 202
SBW-F-1800kVA	2727	110 x 120 x 185	4	4800	125 x 135 x 202
SBW-F-2000kVA	3040	110 x 120 x 185	4	5300	125 x 135 x 202
SBW-F-2500kVA	3780	120 x 125 x 200	4	6600	135 x 140 x 217
SBW-F-3000kVA	4545	140 x 125 x 200	4	7200	155 x 140 x 217
SBW-F-3500kVA	5318	140 x 125 x 200	4	7800	155 x 140 x 217
SBW-F-4000kVA	6060	140 x 125 x 200	4	9500	155 x 140 x 217