SBW

30KVA ~ 800KVA

SBW series compensated AC voltage regulator mainly consists of compensation circuit, voltage detection, servo motor control circuit and deceleration transmission mechanism, electric switches and their operating circuit, current / voltage measuring and protection circuit. Among them, compensation circuit, voltage detection, servo motor control and deceleration transmission mechanism make up the output voltage auto–compensation system, which can automatically keep output voltage stable when grid voltage fluctuates or load variates.

SBW series products have advantage of traditional electric AC, inductive and magnetic–saturation stabilizer, and are featured with other advantages of high power, high efficiency, without waveform distortion, stable voltage regulation, convenient maintenance and reliable operation.

Features

- Operating easily, equipped with automatic and manual power transmission function
- Single unit power capacity up to above 2000KVA
- High adaptability to all kinds of load, stable operation in complicated conditions
- Overvoltage, undervoltage, overcurrent and lack–phase protections
- Stable and undistorted output waveform, additional distortion less than 1%
- Running smoothly and steadly, load regulation and grid regulation less than 2%

Specifications

MODEL	SBW (Dependent regulator)										
Nominal capacity	30 KVA	50 KVA	100 KVA	150 KVA	180 KVA	225 KVA	320 KVA	400 KVA	500 KVA	600 KVA	800 KVA
Input nominal voltage	Phase voltage 220 V ± 20%, line voltage 380 V ± 20%										
Phase	Three phase five wire (3 ϕ + N + PE)										
Output nominal voltage	220 V (phase voltage), 380 V (line voltage)										
Voltage regulation accuracy	⩽ ± 3%		2% ~ 5% (adjustable)								
Frequency range	50 / 60 Hz										
Protection function	Overvoltage, lack–phase, phase order protection and mechanical failure protection										
Operating efficiency	⩾ 95%										
Noise	⩽ 50 dB										
Display mode	LED indicators, analog voltage meter										
Input / output	Terminal block										
Waveform distortion	Distortionless										
Response time	⩽ 1.5 s (ambient voltage varies 10%)										
Insulation resistance	⩾ 2 MΩ										
Dielectric intensity	Low frequency sine wave voltage 1500 V for 1min, no breakdown and flashover phenomenon										
Overload capacity	120% of rated current: > 10 s										
Operating temperature	–10 ℃ ~ + 40 ℃										
Relative humidity	0% ~ 95% (non–condensing)										
Altitude	< 1000 m										
Working mode	Continuous working										
Dimensions (W × D × H) mm	800 × 570 × 1320		850 × 645 × 1430	1050 × 750 × 1750		1050 × 750 × 1850	1200 × 950 × 2050	1200 × 1100 × 2155	1400 × 1100 × 2155	1400 × 1100 × 2255	1350 × 1100 × 2255
Weight (Kg)	260	295	400	660	710	815	1074	1195	1310	1410	2150

- The unit dimensions in the above table don't include dimensions of peripheral interface.
- All specifications subject to change without notice.