

# SBW series 50 KVA-320KVA

## AC stabilized Power Supply



SBW series three-phase high-power full-automatic compensating powervoltage stabilizers are tailor-designed for stabilizing AC Current by importing and absorbing the advanced technology from Western Europe, and conforming to the situation in our country simultaneously. When the voltage fluctuation of outside power-supply network or the load change causes the voltage to be fluctuated, it can automatically keep the output voltage stable. Compared with the other stabilizers, the serial products have the advantages of large capacity, high efficiency, no waveform distortion, stable voltage control and so on. Furthermore, the serial stabilizers own the wide service load, the capacity for being the momentary overload, long-term continuous operation, the switching for manual an automatic operation, the protection against the over voltage, over current, phase shortage, phase-sequence and the automation protection, etc. So, they are widely used in the equipment of the large electromechanical, the metal processing, constructional engineering, embroidery textiles, and production flow-line, electrical life, medical apparatus and instruments, air-conditioner, broadcast

television, household appliances, lighting etc. In the line of industry, agriculture, transportation, post and telecommunications, military affairs, railway, scientific research culture and so on.

SBW-F Three-phase separately-regulating Electric Voltage Stabilizer, Fully-automatic & Compensated Type is a kind of modified SBW series product suitable for the electric network with unbalanced three-phase voltage input. It also can balance three-phase output automatically and keep the network operating in good condition during fluctuation of electrified wire netting and transformation of load current.

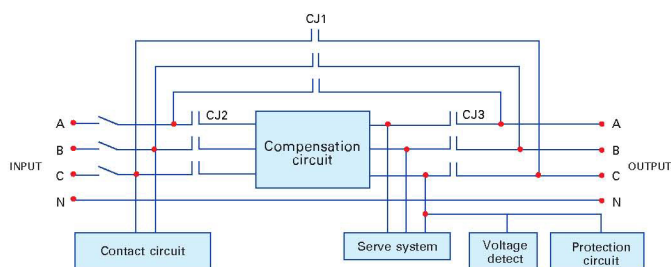


Figure 1 The figure of SBW principle

## SBW series 50 KVA-320KVA Specification

Specication	SBW (Independent regulator voltage)				SBW (Dependent regulator voltage)				
	20KVA	30KVA	50KVA	100KVA	50KVA	100KVA	180KVA	225KVA	320KVA
VA Rating	20KVA	30KVA	50KVA	100KVA	50KVA	100KVA	180KVA	225KVA	320KVA
Input	Three Phase + N + GND								
Phase	Three Phase + N + GND								
Voltage Range	380V ± 20%								
Output	380V AC								
Voltage Range	380V AC								
Voltage Precision	≤ ± 3%				2%~5% (adjustable)				
Frequency	50/60 Hz								
Efcieny	≥95%								
Other	Overvoltage , overcurrent , loss of phase , phase - sequence and mechanical failure protection								
Protection	Overvoltage , overcurrent , loss of phase , phase - sequence and mechanical failure protection								
Noise (dB)	≤50								
Display Mode	LED Indicator Light ; Pointer voltmeter								
Input / Output Setting	Connection								
Waveform Distortion	No additional waveform distortion								
Response Time	≤ 1.5s (External voltage change 10%)								
Insulation Resistance	≥ 2M Ω								
Dielectric Strength	Low frequency sine voltage 1500 for 1 minute (without the phenomena of breakdown and ashover)								
Overload Capacity	120 % of rating current > 10s								
Ambient Temperature	(-10°C~+40°C)								
Relative Humidity	20% ~ 85%								
Working	Continuing Working								
Dimension (WxDxH)mm	485x730x1110	570x810x1410	620x990x1530	600x800x1520	700x900x1660	835x1100x1830	850x1100x1830	900x1240x2109	
Net Weight (kg)	160	185	245	410	280	415	645	765	945
Packing (WxDxH)mm	555x780x1160	640x860x1460	690x1040x1580	670x850x1570	770x950x1710	905x1150x1880	920x1150x1880	970x1290x2159	
Gross Weight (kg)	175	200	266	435	310	439	673	810	995

- All specifications subject to change without notice.
- Custom - made specifications are acceptable.