



Power voltage regulator

Principle and Feature

SBW/DBW series automatic voltage regulator adopts international advanced compensation technology design and manufacturing. It can automatically keep the output voltage stability when the power grid fluctuates greatly in order to ensure normal operation of electrical equipment, has a large capacity, high efficiency, no waveform distortion, etc.



Application range

Suitable for small factories, large and medium-sized industrial and mining enterprises, can be widely used in industry, transportation, national defense, railway, and other fields.

Dimension and weight

Model	DBW20K	DBW30K	DBW40K	DBW50K	DBW60K	DBW100K	DBW120K	DBW150K	DBW180K	DBW200K
Capacity	20KVA	30KVA	40KVA	50KVA	60KVA	100KVA	120KVA	150KVA	180KVA	200KVA
Dimension (D*W*H) (mm)	70*50*135					80*60*150			100*80*190	
Weight (kg)	283	310	330	360	380	400	480	530	570	600
Model	SBW60K	SBW80K	SBW100K	SBW120K	SBW150K	SBW200K	SBW300K	SBW400K	SBW500K	SBW600K
Capacity	60KVA	80KVA	100KVA	120KVA	150KVA	200KVA	300KVA	400KVA	500KVA	600KVA
Dimension (D*W*H) (mm)	85*62*152				100*70*170		110*90*220		130*100*2058	
Weight (kg)	250	300	350	400	500	600	970	1100	1300	1400

Technical parameter

Model	DBW10KVA-100KVA(Single phase)	SBW20KVA-1000KVA(Three phase)
Input voltage range	176V-264V	304V-456V
Output voltage	220V ± 2.5%	380 ± 2.5%
Voltage regulation accuracy	± 2.5%	
Insulation resistance	≥ 2MΩ	
Withstand voltage	2000V no breakdown or flashover within 1 minute	1500V no breakdown or flashover within 1 minute
Frequency	50/60HZ	
Response time	≤ 1.6S (when the input voltage changes 10%)	
Efficiency	≥ 98%	
Waveform distortion	No additional waveform distortion	
Environment temperature	(-5 ~ 40°C)	
Relative humidity	< 90%	
Protection	Over volt、lack of phase、filtering、phase sequence protection , etc	
Mains function	Three phase mains、convenient volt regulation switch	
Working way	Long term and continuous working without person	
Start	Automatic or manual start for optional	

Note:

1、"L" is long backup UPS, "S" is standard UPS;

2、Because the products are continuously improved, please contact the company or dealer to inquiry the latest specification.