

DBW Series

» AC. Automatic Voltage Regulator/Stabilizer

Industrial-grade Servomotor Column type Compensated AVR, Single Phase

► Features

DBW series single phase full automatic compensated power voltage stabilizer applicable to when the power network fluctuates or the load current varies, it can keep output voltage in steady state automatically, 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/phase sequence, delay and error protection etc, and has following merits: small volume, light weight, convenient installation and relit is reliable running and so on.

► Applications

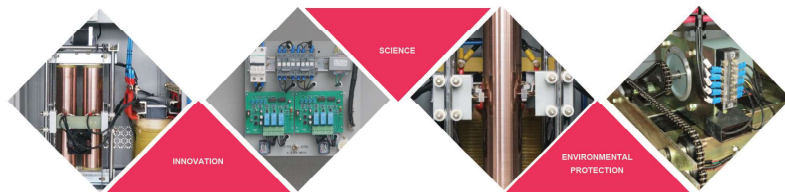
It's widely used in post and telecommunications, department stores, elevators, hospitals, schools, printing, securities and other occasions where all needs normal voltage to ensure, such as workshop, mines, medium enterprises, some of the important equipment and computer power and support.

► Main Technical Datas

Phase no.	Single-phase
Input voltage	220V ± 20% (176~264V) (If input voltage ± 25% required by customers, please specify when ordering.)
Output voltage	220V
Output accuracy	± 2~5% adjustable(Default: 3%)
Frequency	50Hz/60Hz
Efficiency	>95%
Response time	≤ 1.5s(against 10% input voltage deviation)
Ambient temperature	-10°C ~ +40°C
Relative humidity	<95%
Insulation resistance	≥ 2MΩ
Withstand voltage	2000V/min.
Overload	Double rated current , one min.
Waveform distortion	No additional waveform distortion
Protection function	Bypass(city power)system(30k~200kVA), over-voltage, over-current, over-load, time-delay, machine fault, surge(optional) etc.

Note: The above specifications are based on 220VAC/1Phase, for 1Phase 110V/120V/130V/230/240VAC etc. can be customized.

► Craft Images



► Order Specifications



30KVA/40KVA

Input voltage	220V±20% or ±25%(customized)	Ambient temperature	-10°C ~ +40°C
Output voltage	220V	Efficiency	> 95%
Accuracy of voltage	±2~5% adj.(Default: 3%)	Overload	Double rated current, one min.
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	79 × 66 × 137
Insulation resistance	≥ 2MΩ	Qty per pkg(unit)	1
Protection function	With manual bypass(city power)system, over-voltage, over-current, over-load, phase failure, time-delay, machine fault, surge(optional) etc.		



Analog/Digital meter optional



50KVA/60KVA

Input voltage	220V±20% or ±25%(customized)	Ambient temperature	-10°C ~ +40°C
Output voltage	220V	Efficiency	> 95%
Accuracy of voltage	±2~5% adj.(Default: 3%)	Overload	Double rated current, one min.
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	79 × 66 × 137
Insulation resistance	≥ 2MΩ	Qty per pkg(unit)	1
Protection function	With manual bypass(city power)system, over-voltage, over-current, over-load, phase failure, time-delay, machine fault, surge(optional) etc.		



80KVA/100KVA/120KVA

Input voltage	220V±20% or ±25%(customized)	Ambient temperature	-10°C ~ +40°C
Output voltage	220V	Efficiency	> 95%
Accuracy of voltage	±2~5% adj.(Default: 3%)	Overload	Double rated current, one min.
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	89 × 70 × 153
Insulation resistance	≥ 2MΩ	Qty per pkg(unit)	1
Protection function	With manual bypass(city power)system, over-voltage, over-current, over-load, phase failure, time-delay, machine fault, surge(optional) etc.		



150KVA

Input voltage	220V±20% or ±25%(customized)	Ambient temperature	-10°C ~ +40°C
Output voltage	220V	Efficiency	> 95%
Accuracy of voltage	±2~5% adj.(Default: 3%)	Overload	Double rated current, one min.
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	104 × 76 × 179
Insulation resistance	≥ 2MΩ	Qty per pkg(unit)	1
Protection function	With manual bypass(city power)system, over-voltage, over-current, over-load, phase failure, time-delay, machine fault, surge(optional) etc.		

◆ All specifications subject to change without notice.

◆ Custom-made specifications are acceptable

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180KVA

Input voltage	220V±20% or ±25%(customized)	Ambient temperature	-10°C ~ +40°C
Output voltage	220V	Efficiency	> 95%
Accuracy of voltage	±2-5 % adj.(Default: 3%)	Overload	Double rated current , one min.
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	104 × 76 × 179
Insulation resistance	≥ 2MΩ	Qty per pkg(unit)	1
Protection function	With manual bypass(city power)system, over-voltage, over-current, over-load, phase failure, time-delay, machine fault, surge(optional) etc.		



200KVA

Input voltage	220V±20% or ±25%(customized)	Ambient temperature	-10°C ~ +40°C
Output voltage	220V	Efficiency	> 95%
Accuracy of voltage	±2-5 % adj.(Default: 3%)	Overload	Double rated current , one min.
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	104 × 76 × 179
Insulation resistance	≥ 2MΩ	Qty per pkg(unit)	1
Protection function	With manual bypass(city power)system, over-voltage, over-current, over-load, phase failure, time-delay, machine fault, surge(optional) etc.		



250KVA

Input voltage	220V±20% or ±25%(customized)	Ambient temperature	-10°C ~ +40°C
Output voltage	220V	Efficiency	> 95%
Accuracy of voltage	±2-5 % adj.(Default: 3%)	Overload	Double rated current , one min.
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	115 × 86 × 209
Insulation resistance	≥ 2MΩ	Qty per pkg(unit)	1
Protection function	With manual bypass(city power)system, over-voltage, over-current, over-load, phase failure, time-delay, machine fault, surge(optional) etc.		



300KVA

Input voltage	220V±20% or ±25%(customized)	Ambient temperature	-10°C ~ +40°C
Output voltage	220V	Efficiency	> 95%
Accuracy of voltage	±2-5 % adj.(Default: 3%)	Overload	Double rated current , one min.
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	115 × 86 × 209
Insulation resistance	≥ 2MΩ	Qty per pkg(unit)	1
Protection function	With manual bypass(city power)system, over-voltage, over-current, over-load, phase failure, time-delay, machine fault, surge(optional) etc.		



320KVA/350KVA

Input voltage	220V±20% or ±25%(customized)	Ambient temperature	-10°C ~ +40°C
Output voltage	220V	Efficiency	> 95%
Accuracy of voltage	±2-5 % adj.(Default: 3%)	Overload	Double rated current , one min.
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	115 × 86 × 209
Insulation resistance	≥ 2MΩ	Qty per pkg(unit)	1
Protection function	With manual bypass(city power)system, over-voltage, over-current, over-load, phase failure, time-delay, machine fault, surge(optional) etc.		



400KVA/450KVA

Input voltage	220V±20% or ±25%(customized)	Ambient temperature	-10°C ~ +40°C
Output voltage	220V	Efficiency	> 95%
Accuracy of voltage	±2-5 % adj.(Default: 3%)	Overload	Double rated current , one min.
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	115 × 130 × 217
Insulation resistance	≥ 2MΩ	Qty per pkg(unit)	1
Protection function	With manual bypass(city power)system, over-voltage, over-current, over-load, phase failure, time-delay, machine fault, surge(optional) etc.		



500KVA

Input voltage	220V±20% or ±25%(customized)	Ambient temperature	-10°C ~ +40°C
Output voltage	220V	Efficiency	> 95%
Accuracy of voltage	±2-5 % adj.(Default: 3%)	Overload	Double rated current , one min.
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	115 × 130 × 217
Insulation resistance	≥ 2MΩ	Qty per pkg(unit)	1
Protection function	With manual bypass(city power)system, over-voltage, over-current, over-load, phase failure, time-delay, machine fault, surge(optional) etc.		



600KVA/630KVA/650KVA

Input voltage	220V±20%	Ambient temperature	-10°C ~ +40°C
Output voltage	220V	Efficiency	> 95%
Accuracy of voltage	±2-5 % adj.(Default: 3%)	Overload	Double rated current , one min.
Frequency	50Hz/60Hz	Waveform distortion	No additional waveform distortion
Response time	≤ 1.5s	Package size W × D × H(cm)	115 × 130 × 217
Insulation resistance	≥ 2MΩ	Qty per pkg(unit)	1
Protection function	With manual bypass(city power)system, over-voltage, over-current, over-load, phase failure, time-delay, machine fault, surge(optional) etc.		

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