

powerBOX[®]

SBW-100kVA

THREE-PHASE VOLTAGE
STABILIZER

380/220V Estrella



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SPECIFICATIONS

Model: SBW-100KVA Three-Phase

Input voltage	3-Phase:input: 240V±20% (L-L) with neutral
Output voltage	3-Phase: 240V ±2% (L-L);L1-N=120V, L2-N=120V
Output accuracy	± 2%
Frequency	60Hz
Capacity:	100KVA (PF:1.0)
Insulation resistance	≥ 20MΩ
Noise	<55dB
Voltage regulation mode	Independent phase regulation
Wave deformation	Nil
Display	LCD display
Insulation class of transformer	H class
Wire system	3-phase-5-wire-system
Operation time	≥ 80,000 hours
The number of carbon brush abrasion	140,000 times with only about 0.01mm roller carbon brush abrasion
Method of voltage regulation	Regulation transformer with servomotor
Insulated strength	Three phase: 2500V/1 min without puncture
Material of package	Carton for batch volume, wooden packing for small volume
Efficiency	>98%
Protection class	IP20
Electrical safety	CE equivalent
Estimate dimension	350*900* 1480mm (W*D*H)
Ambient temperature operating	-20 °C to +45 °C
Altitude	<1000m
Relative humidity	<90%
Functions	Malfunction protection, Short-circuit protection, over voltage shutdown, Under voltage shutdown, Safe start Static independent bypass line and external manual bypass.

Automatic Voltage Stabilizer (AVR)

Servo type, single phase and three phase
up to 5000kVA



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Beautiful Inside and Out

Beautiful and slim exterior with advanced industrial workmanship.

Compact interior structure compliance with international standard.



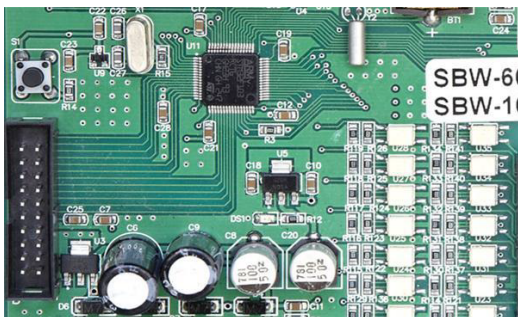
Patent Structure

Long lifetime roller bursh

Patent three phase individual voltage regulator, which realizing the whole unit 2/3 smaller than traditional one.

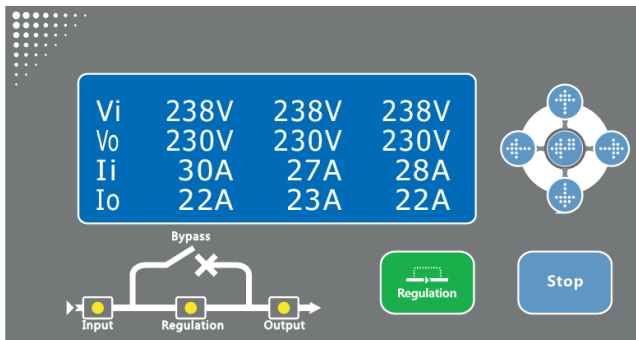
Control Board

High performance ARM chip



Central control module based on DSP, realize high-speed and high-performance control.

With SMT technology, the reliability and supply of PCB will be highly improved.

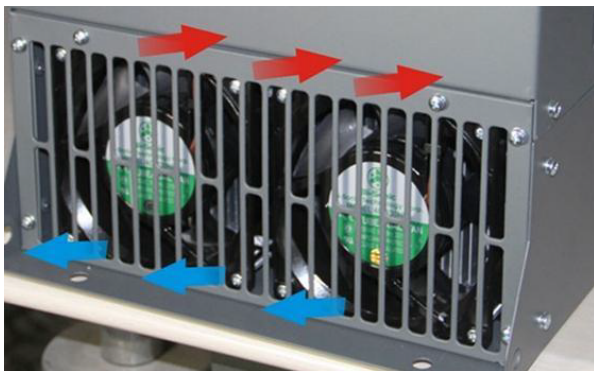


HMI Digital display

Man-machine interface enable users to know the unit condition clearly.

Support the standard Modbus communication protocol, support remote control with GPRS.

SMART VENTILATION CONTROL



Optimized design for ventilation, advanced technology and small size

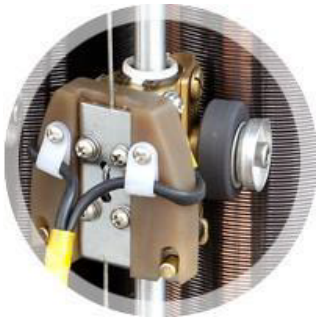
Activate the fans when needed for prolong the life of fans.



COMPLETE PROTECTION

Fully considering the function needs under various operating conditions for both loads and unit itself.

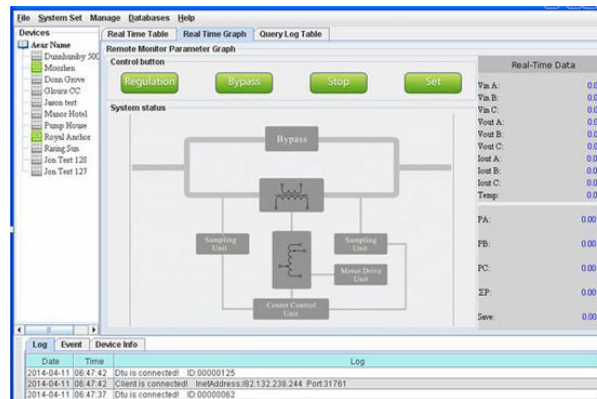
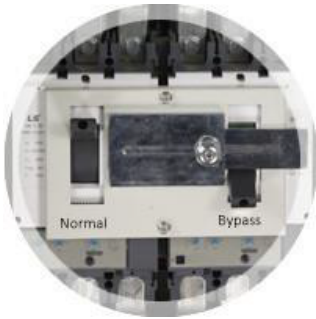
Malfunction protection, Short-circuit protection, Lack of phase protection, Over voltage protection, Under voltage protection, Safe start.



- Patent maintenance free roller type carbon brush
- Individual regulation with unique small dimension
- The temperature of your racks is always under control
- High Mean Time between Failure (MTBF)
- Startup delay to prevent over current in rush
- Indoor or outdoor version on request digital control board AMR chip control
- High Performance ARM chip control
- Reliable and low noise AC servo motors
- Extremely wide voltage regulation range
- Wheels mounted for easy installation
- Maximum capacity up to 5000 KVA

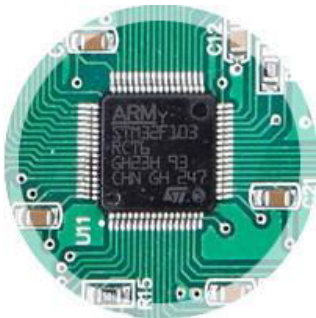


Remote Control



Centralized management by computer

Install special background monitoring software in computer terminal can realize the remote operation and control



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Applications:

BROADCAST:

Regulation for broadcast transmitter sites and studios.

COMMERCIAL:

High-rise building, elevator control, large A/C chillers, lighting, and other sensitive critical systems.

INDUSTRIAL:

Industrial automation, process control, CNC, factory robotics, heavy load machinery.

MEDICAL:

X-ray, CT scanner, MRI system, Radiation therapy machine, other medical imaging equipments.

TELECOM:

Mobile base stations, exchanges stations, control centers and transmission relay stations.

Hot Tags:automatic voltage stabilizer

RELIABLE AND QUIET SERVO MOTOR

Touch screen control system,remote control with GPRS or WIFI.

High quality contactor like FUJI, SCHNEIDER ,and circuit breaker we also use ABB according to some high quality requirement.

The control system PCB board,we have our unique design,basicly working time no bug

Column variable transformer ,Roller Carbon Brush, it's free maintenance,high loading capacity

We use H class and C class wire FOR TRANSFORMER,the temperature resistance up to 220°C.

We apply vacuum pressure impregnation(VPI)process and solidify baking process to achieve insulation class H or C.