ENERGY POWER SAVE

Power Solution Provider

AC Power Conditioner

Quality Power for Reliable Business

The EPS. Power Conditioner is designed to correct power quality problems like brownouts, surge, over–voltage, sags, voltage imbalance, unbalanced current, line noise etc. in the main power supply. Our Power Conditioner features voltage regulation, isolation, transient surge protection, or any combination of these in a one–box solution. Besides that, our patent variable auto transformer enabling us to make unique small dimension Power Conditioner especially for individual regulation.

Voltage Stabilizer (AVR)

■ AC Power Conditioner

Features

- **Extremely wide** voltage regulation range
- **Maintenance free** roller type carbon brush
- **Individual regulation** with unique small dimension
- Maximum capacity up to **5000KVA**
- High Mean time Between Failure(MTBF)
- Reliable and quiet servo motors
- Wheels mounted for easy installation
- Start up delay to prevent over current inrush
- Isolation transformer on request
- Indoor or outdoor version on request

Overview

Voltage regulation problems account for more than 90% of the power quality problems seen at most sites. The EPS. Voltage Stabilizers provide protection against mains power sags, surges and brownouts. It is ideal for geographical regions that are subject to inconsistencies in the mains supply, such as Africa, Asia and certain parts of Europe.

Each stabilizer has a wide input voltage tolerance, and has been designed to provide the ultimate reliability in hostile environments, where the quality of the mains supply cannot be guaranteed.

Applications

- **BROADCAST:** Regulation for broadcast transmitter sites and studios.
- **COMMERCIAL:** High–rise building, elevator control, large A/C chillers, lighting, 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 .

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Technical Specifications

Input Voltage	Single phase 220V ± 20%, three phase: 380V ± 20% The other input voltage range and rated voltage can be custom designed.
Output Voltage	Single phase 220V ± 1–5%, three phase: 380V ± 1–5%
Supply Frequency	50/60Hz
Insulation Resistance	⩾2MΩ
Voltage Regulation Mode	Independent phase regulation for three phase
Waveform Distortion	nil
Insulation Class	H class
Method of Voltage Regulation	Regulation transformer with servomotor
Insulated Strength	Single phase: 2000V/1min without puncture Three phase: 2500V/1 min without puncture
Efficiency	>97% on full load
Overload Rating	Withstand 200% overload in short time
Protection class	IP20(indoor), outdoor type on request
Electrical safety	CE equivalent
Operational Temperature	–20°C to +45°C
Functions	Power–on style, Malfunction protection, Short–circuit protection, Lack of phase protection, Over voltage shutdown, Under voltage shutdown, Safe start

Model	Dimension(W×D×H)mm	Model	Dimension(W×D×H)mm
DBW–10KVA	300 × 720 × 1270	DBW–50KVA	300 × 800 × 1370
DBW–20KVA	300 × 720 × 1270	DBW–80KVA	300 × 800 × 1370
DBW–30KVA	300 × 720 × 1270	DBW–100KVA	300 × 800 × 1370
SBW–15KVA	300 × 720 × 1270	SBW–350KVA	500 × 1050 × 1800
SBW–20KVA	300 × 720 × 1270	SBW–400KVA	500 × 1050 × 1800
SBW–30KVA	300 × 720 × 1270	SBW–500KVA	600 × 1250 × 2000
SBW–50KVA	300 × 720 × 1270	SBW–600KVA	600 × 1250 × 2000
SBW–80KVA	300 × 800 × 1370	SBW–800KVA	600 × 1250 × 2000
SBW–100KVA	300 × 800 × 1370	SBW–1000KVA	800 × 1800 × 1900
SBW–120KVA	300 × 800 × 1370	SBW–1200KVA	1000 × 1800 × 1900
SBW–150KVA	400 × 900 × 1600	SBW–1500KVA	1000 × 1800 × 1900
SBW–180KVA	400 × 900 × 1600	SBW–2000KVA	1000 × 1800 × 1900 two cabinets
SBW–200KVA	400 × 900 × 1600	SBW–3000KVA	1000 × 1800 × 1900 two cabinets
SBW–250KVA	500 × 1050 × 1800	SBW–4000KVA	1000 × 1800 × 1900 three cabinets
SBW–300KVA	500 × 1050 × 1800	SBW–5000KVA	1000 × 1800 × 1900 four cabinets

We reserve the right to change specifications without notice due to continual improvements.