



# SERVO MOTOR VOLTAGE STABILIZER BK-SJW SERIES 10KVA-120KVA

TO BE GLOBAL LEADER IN POWER SOLUTIONS



## BK-SJW Series 3 phase Voltage Stabilizer

### Product Overview

The BK-SJW Series Three-Phase Servo Voltage Stabilizer integrates a high-speed servo motor, intelligent control circuitry, and low-loss toroidal auto-transformer into a single, compact enclosure.

Purpose-built for harsh and highly variable grid environments, it delivers rock-solid, utility-grade power to all downstream three-phase loads.

The series is deployed in industrial production lines, hyperscale data centers, commercial complexes, medical imaging centers, renewable-energy generating stations, and any other facilities where three-phase voltage stability is mission-critical.

### Applications

#### Industrial Manufacturing

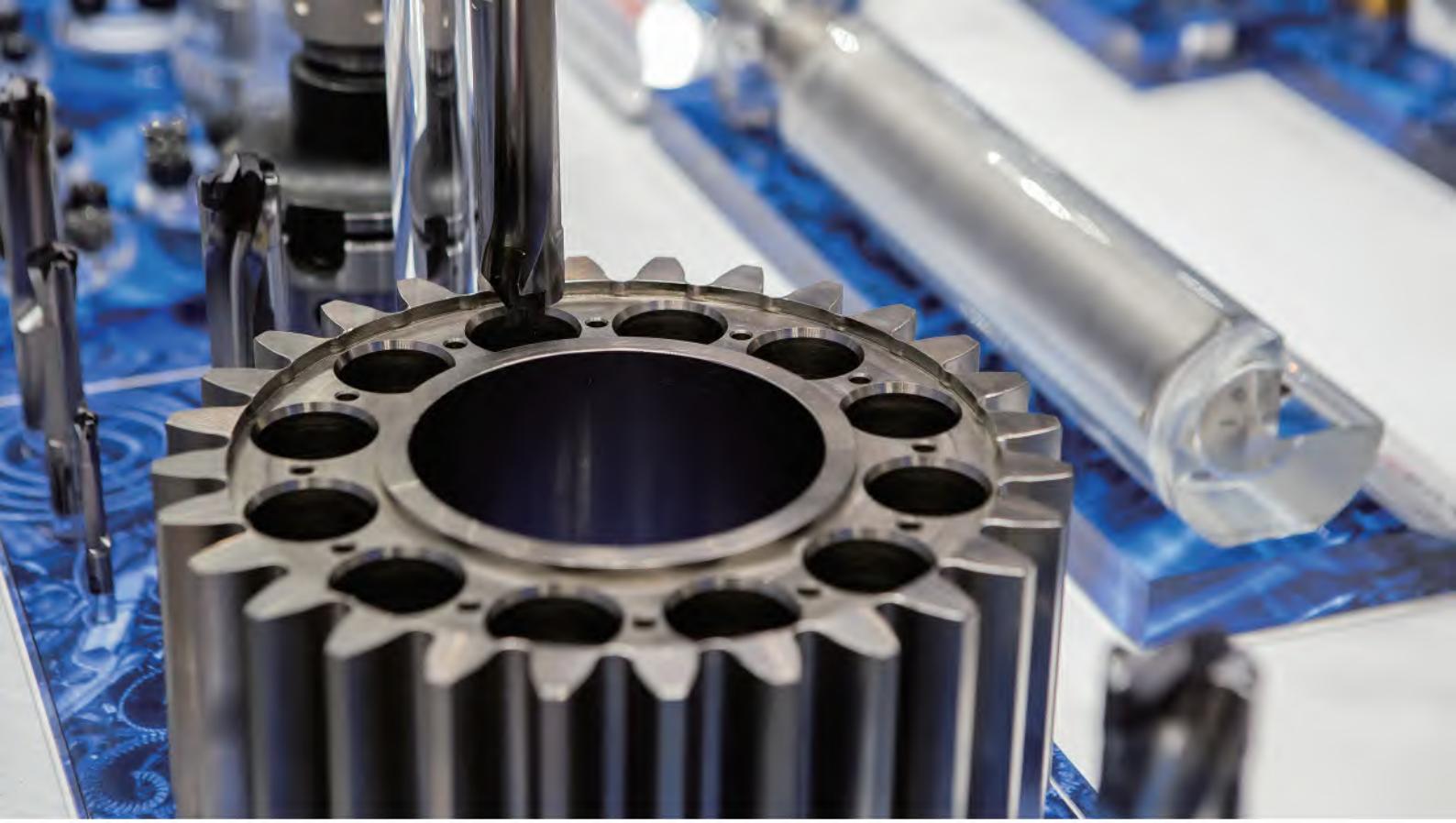
Provides rock-solid three-phase voltage to motors, CNC machines, assembly lines, and cranes, ensuring continuous production and consistent product quality.

#### Medical & Scientific Research

Delivers stable three-phase power to MRI scanners, CT systems, and precision laboratory instruments, guaranteeing accurate diagnostics and reliable experiments.

#### Commercial & Public Infrastructure

Maintains steady voltage for central HVAC, elevators in shopping malls, and electrical systems in metro stations and airports, securing uninterrupted daily operations.



## Technical Advantages

### Precision Mechanical Adjustment

A servo motor drives a carbon brush mechanism for voltage regulation. The mechanical transmission ensures linear output voltage adjustment, with a voltage regulation accuracy of up to  $\pm 3\%$ .

### Instantaneous Response to Fluctuations

Equipped with a highly sensitive voltage sampling and servo drive system, the servo motor quickly drives the carbon brushes to adjust the position of the autovoltage regulator when the input voltage fluctuates.

### Strong Load Adaptability

The design offers strong power handling capabilities and stable operation under various load types, including resistive, inductive, and capacitive loads.

### Proven and Reliable Structure

Core components, including the servo motor, autovoltage regulator, and transmission mechanism, utilize proven and reliable technologies. The simple mechanical structure is easy to maintain and has a low failure rate.

## Product Features

### Three-Phase Precision Voltage Regulator

Utilizing three-phase independent servo motors and precision control technology, this system ensures precise and stable output voltage, achieving a voltage regulation accuracy of  $\pm 3\%$ .

### Efficient Response

Equipped with a high-performance voltage sampling and servo drive system, it responds quickly and adjusts three-phase voltage quickly.

### Integrated Safety Protection

Features include three-phase short-circuit protection, overload protection, and temperature protection.

### Delay and Synchronization Protection

A delayed start function reduces the impact on the power grid during device startup.



## Specifications

# PRODUCT CATALOG

**UPS System**

**Voltage Stabilizer**

**Transformer**

**VFD Inverter**

**Soft Starter**

**Solar Inverter**

TO BE GLOBAL LEADER IN POWER SOLUTIONS



BKPOWER TECHNOLOGY CO., LTD.

Web: [www.bkpower.cn](http://www.bkpower.cn)

Mob: +86-15815513204

Email: [sales@bkpower.cn](mailto:sales@bkpower.cn)

Add:217, Bld B, Duocai Innovation Park, 5 Guanle  
Rd, Longhua, Shenzhen, China



WhatsApp



WeChat