

SINGLE PHASE SERVO VOLTAGE STABILIZER

Precision Voltage Regulation. Reliable Equipment Protection.

The Microtek Power Single Phase Servo Voltage Stabilizer is engineered to deliver exceptional voltage regulation, ensuring uninterrupted operation and maximum protection for critical electrical equipment. Designed with advanced **microprocessor-controlled technology** and a **precision servo motor-driven variable transformer**, it provides fast, accurate, and continuous voltage correction, even under severe input voltage fluctuations.

Built for reliability, efficiency, and long service life, the stabilizer maintains a constant output voltage to safeguard connected equipment from over-voltage, under-voltage, surges, and other power disturbances. Its robust air-cooled design and premium-quality components ensure dependable performance across residential, commercial, and light industrial applications.

Key Features

- **Microprocessor-Controlled System**
Intelligent digital control continuously monitors and regulates voltage for precise and stable output.
 - **Wide Input Voltage Ranges**
Operates efficiently across 170V -270V (Single booster)/ 140V–270V (Double booster), ensuring uninterrupted performance even during significant voltage fluctuations.
 - **Precision Servo Motor Technology**
High-performance servo motor-driven variable transformer delivers smooth, accurate, and reliable voltage correction.
 - **High Energy Efficiency**
Achieves **up to 98% efficiency**, minimizing energy losses while maximizing system performance.
 - **Air-Cooled Design**
Optimized cooling ensures reliable operation with minimal maintenance requirements.
 - **Digital LCD Display**
Displays real-time input voltage, output voltage, operating status, and fault indications for easy monitoring.
 - **Comprehensive Protection**
Integrated protection against overload, short circuit, surge, and abnormal voltage conditions enhances equipment safety and operational reliability.
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Technical Specifications

Parameter	Specification
Capacity Range	1 KVA – 30 KVA
Input Voltage Ranges	170-270v / 140-270v220V / 230V / 240V
Output Voltage Range	(User Selectable)
Cooling Method	Air Cooled
Efficiency	Up to 98%
Display	Digital LCD Display
Protection	Overload, Short Circuit & Surge Protection

Typical Applications

The Microtek Power Single Phase Servo Voltage Stabilizer is ideal for protecting sensitive electrical and electronic equipment in a wide range of applications, including:

- Residential Homes & Apartments
- Offices & Commercial Establishments
- Medical Clinics & Diagnostic Centres
- Banks & Financial Institutions
- Educational Institutions
- Laboratories & Testing Facilities
- Retail Stores & Showrooms
- Air Conditioners & Refrigeration Systems
- Industrial Control Panels & Precision Equipment

Why Choose Microtek Power?

With decades of expertise in power conditioning and voltage management, **Microtek Power** delivers solutions that combine engineering excellence, superior product quality, and dependable after-sales support. Every stabilizer is manufactured using high-grade components, rigorously tested for performance, and designed to provide long-lasting protection in demanding operating environments.

Microtek Power – Delivering Stable Power. Protecting What Matters Most.