



# LINE INTERACTIVE UPS BK-MT SERIES 450VA-3000VA

TO BE GLOBAL LEADER IN POWER SOLUTIONS

SHENZHEN BKPOWER CO., LTD



## Product Overview

The BK-MT series is Line Interactive UPS designed for home, small office, small commercial premises, security, industrial control and other scenarios.

It has become the ideal choice for such applications. Designed and manufactured with international advanced technology, this UPS can provide stable and reliable power protection for computer systems and precision electronic instruments.

## Applications

- **Computer Equipment:** Computers, routers, servers, etc., in homes, small offices, internet cafes, and small enterprises.
- **Network Equipment:** Home network environments, small office networks, network service provider access points, enterprise local area networks, campus networks, network systems in intelligent buildings, etc.
- **Security Equipment:** Surveillance cameras, access control systems, etc., ensuring the continuous operation of security equipment during mains power outages.
- **Office Equipment:** Printers, copiers, fax machines, etc., guaranteeing stable power supply for office equipment.
- **Medical Equipment:** Small medical testing devices such as blood glucose meters, portable electrocardiographs, computers, printers, etc., providing reliable power assurance for medical equipment.
- **Basic Industrial Control Equipment:** Automated production line control in small factories, simple automated packaging lines, environmental monitoring in ordinary warehouses, basic safety monitoring in small workshops, etc., ensuring the stable operation of industrial control equipment.



## Technical Advantages

### ■ Stable Power Output

The BK-MT Series Line Interactive UPS ensures stable AC power output, protecting the normal operation of computer systems and precision electronic instruments.

### ■ Instant Power Assurance

In the event of a mains power outage or voltage fluctuation, it can immediately switch to battery power, continuing to supply power to load devices and preventing data loss and equipment damage.

### ■ Power Purification Function

It clamps and purifies high-voltage spike pulses and high-frequency noise signals on the power line, providing a clean power environment for load devices.

### ■ Extended Battery Life

Through smart charging management and AVR automatic voltage regulation, it extends battery life and reduces the frequency of switching to battery power.

### ■ High Energy Efficiency

High-efficiency design saves energy costs for users and reduces environmental pollution.

### ■ Good Load Adaptability

It meets the power requirements of various devices, ensuring their stable operation.

## Product Features

### ■ International Advanced Technology

The BK-MT Series Line Interactive UPS is designed and manufactured using international advanced technology, ensuring high efficiency, elegant appearance, and advanced reliability.

### ■ Microcomputer Digital Control

Equipped with a microcomputer digital control system, it is specifically designed for computer systems and precision electronic instruments, ensuring the stability and accuracy of power output.

### ■ Advanced DSP Control Technology

Utilizing advanced DSP (Digital Signal Processor) control technology, it achieves high performance, stability, and reliability.

### ■ Built-in Smart Charger

Features a built-in smart charger that shortens charging time and extends battery life.

### ■ AVR Automatic Voltage Regulation

Equipped with AVR (Automatic Voltage Regulation) function, ensuring stable power output for load devices during mains voltage fluctuations.

### ■ Simulated Sine Wave Output

Provides a simulated sine wave output, meeting the power requirements of most electronic devices.

### ■ Auto-restart on Power Restoration

Features auto-restart functionality, allowing users to resume power supply without manual operation after a power outage.

### ■ Generator Compatibility

Compatible with generator technology, ensuring seamless switching to generator power mode during mains power outages.



## Specifications

Model	MT450	MT650	MT850	MT1000	MT1200	MT1500	MT2000	MT3000					
Capacity	400VA 240W	650VA 360W	850VA 480W	1000VA 600W	1200VA 720W	1500VA 900W	2000VA 1200W	3000VA 1800W					
Input													
Nominal Voltage	110/120VAC OR 220/230/240VAC												
Voltage Range	81-145VAC OR 162-290VAC												
Frequency	50/60Hz (Auto sensing)												
Output													
Nominal Voltage	110/120VAC OR 220/230/240VAC												
Voltage Adjustment Range	±10%												
Frequency Adjustment Range	50Hz OR 60Hz±1Hz												
Transfer Time	Typical 2-6 ms												
Waveform	Sine wave imitation												
Power Factor	≥0.6												
Battery													
Battery Capacity	12V4.5AH	12V7AH	12V9AH	12V7AH	12V9AH								
Battery Quantity	1PCS			2PCS	2PCS								
Float Charge Voltage	13.7VDC			27.4VDC									
Charging Time	4-6 hours to 90% capacity												
Utility Mode Rechargeable	Yes												
Cold Start	Yes												
Protection & Environment													
Protection Function	Overload protection, short-circuit protection, over-discharge protection, over-charging protection												
Operating Temperature	0~40°C												
Operating Humidity	0-90% relative humidity without cold suspicion												
Dimension(D×W×H)MM	280×100×140			380×123×193			380×138×165						
Weight(KG)	3.35	4.25	4.9	9.3	9.68	11.6	12.5	12.7					
Noise	<40dB												

\* Product specifications are subject to change without prior notice.

# PRODUCT CATALOG

**UPS System**

**Voltage Stabilizer**

**Transformer**

**VFD Inverter**

**Soft Starter**

**Solar Inverter**

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