UPS

Uninterruptible
Power Supply



BX SERIES 1KVA, 1.5KVA, 2KVA, 3KVA, 5KVA

Line-Interactive Double CPU Control

Pure Sine Wave 0.8 PF

▸ PERFORMANCE CHARACTERISTICS

▶ Wide range of input voltage

The UPS can offer normal and stable service voltage under its input voltage range. When the input voltage is out of its range the machine will switch to battery mode automatically to keep the output power in order to protect the equipment, such as computers, ensure they will not be damaged by the over high or over low voltage, users can continue the operation of equipment for a while or save the data on computers while the power network is abnormal.

▶ Wide range of AVR(Automatic voltage regulation)

In the product's input voltage range and under 3 steps of intelligent AVR function, it can provide a stable output voltage.

▶ Automatic self detection when UPS power on

Before the UPS on, will light up two times by cycle turns, after self detection UPS switch to AC mode/battery mode or working mode.

▶ Silence function

In the "battery mode", shortly press the switch to turn off the buzzer. But the battery is about to run out or the load is too heavy, the buzzer sound cannot be muted.

▶ Overload protection

In the battery mode, output voltage turn down correspondingly when it is overload, after the capacity of load is lower than the rated power then output voltage will back to rated value, it ensures the UPS will not shut down by abrupt overload which caused by surging current during the computer is working and other equipment is added.

▶ Short circuit protection

When the mis-operation caused the load short circuit or computer failure (such as power tube breakdown of switch) cause short circuit,the UPS will shutdown automatically for protection.

▶ The low current switch

This UPS adopts low current switch to extend the service life which is longer than conventional battery and high current switch in AC current path.

▶ Automatic charging

There are two charging mode, charging time is faster than ordinary charging mode, higher efficiency, and greatly prolonging the service life of the battery.

▶ Power manager

Standard interfaces RS232 / USB, Smart slot can perform on-screen management of governance, more convenient through energy monitoring software.

APPLICATION UPS

Data Center

Whether it is data for healthcare services, 24/7 banking, or order processing, data is vital to your business. You've invested in the networks and systems that manage and store that data, and any interruption in the power supply can be devastating. Our team can assist with a customised, integrated system that meets your specific power needs, including generator sets, integrated with an uninterruptible power supply.

Telecommunications

Guaranteeing 24/7 power for even the toughest, most remote telecommunications sites is your job. Any disruption to the power supply could entail lost revenue and customer dissatisfaction. Our team can assist with a customised, integrated system that meets your specific power needs, including generator sets equipped with an uninterruptible power supply.

Industrials

No matter what your facility produces, a stop in production means lost productivity. Not only that, interruptions in the power supply can be harmful to your equipment and dangerous for your employees. Generator sets integrated with an uninterruptible power supply can keep your business running. allowing you to focus on keeping your production processes lean, your employees working and your customers satisfied.

Healthcare : Hospital, clinics and retirement home

Hospital, clinics and retirement home in a healthcare setting, reliable power is a matter of life and death. To deliver quality care, you need to be sure that your life-saving machinery will operate properly, without power interruptions, 24/7. Generator sets, supported by uninterruptible power supplies (UPS), power some of the largest hospitals in the world.

Banks and insurance

Cut off from your work and your customers? IT systems down? Loss of vital data? Any incident could lead to potential loss of revenue for your business. Our team can assist with a customised, integrated system that meets your specific power needs, including generator sets, integrated with an uninterruptible power supply.

Special Project Even

Supplying the power needed to ensure the biggest events run smoothly is a real challenge. Any disruption to the power supply could entail lost revenue and customer dissatisfaction. Our team can assist with a customised, integrated system that meets your specific power needs including generator sets, integrated with an uninterruptible power supply.

FEATURES

* Wide range of input voltage and high input power factor
* AC mode Efficiency 98%. Output PF 0.8
* Full protection of overvoltage, short circuit, and over temperature
* LCD display, monitoring all the operation status
* Auto fan speed adjustment
* Connect interface USB, SNMP, Intelligent Card
* Softwave manager system and UPS, setup shutdown, power on UPS automatic
* Power-on self test. DC power on function
* Automatic charging in OFF mode
* Auto sensing frequency
* 2 CPU controlled technology
* UPS tương thích máy phát điện.
* Generator Compatible UPS
* Automatically transferred to battery mode when input over voltage or under voltage
* Use for all devices
* We provide replacement and repair service with genuine parts. Commit to support repair, replacement parts 10 years

▸ SPECIFICATION

BX SERIES LINE INTERACTIVE SINE WAVE 1 PHASE IN 1 PHASE OUT					
Model Name	**BX1000**	**BX1500**	**BX2000**	**BX3000**	**BX5000**
General					
UPS Topology	Line interactive				
Physical					
Form Factor	Tower				
Input					
Nominal Input Voltage (Vac)	220				
Input Voltage Range (Vac)	145 ± 5 - 275 ± 7				
Input Frequency (Hz)	45 - 65				
Input Frequency Detection	Auto sensing				
Output					
Capacity (KVA)	1	1.5	2	3	5
Capacity (KW)	0.8	1.2	1.6	2.4	4
On Battery Waveform	Pure sine wave				
On Battery Voltage(s) (Vac)	220 ± 5%				
On Battery Frequecy (Hz)	50 ± 0.5				
Automatic Voltage Regulation (AVR)	Yes				
Power Factor	0.8				
Overload Protection	Circuit Breaker				
Outlet(s) - Total	4		7	8	
Outlet Type	IEC Universal *2 & C13 *2		IEC Universal *3 & C13 *4	IEC Universal *4 & C13 *4	
Outlet (s) - Battery & Surge Protected	4		7	8	
Typical Transfer Time (ms)	2 - 4				
Battery					
Battery	12V7AH	12V9AH	12V7AH	12V9AH	12V18AH
Quanlity (Pcs)	2	2	4	4	4
Charge Current (A)	1/2				5
Charger time	4 hours to 90% capacity, fast charger				
Battery Type	Sealed lead-acid				
Desktop Office + LCD 24 inch *1	39 min	1 hours 10 min	1 hours 20 min	2 hours 18 min	-
Desktop Office + LCD 24 inch *2	17 min	35 min	40 min	1 hours 16 min	-
Desktop Office + LCD 24 inch *3	-	22 min	23 min	48 min	-
Desktop Office + LCD 24 inch *4	-	-	13 min	41 min	-
Runtime at 25% Load (min)	30 min	21 min 20 seconds	27 min 50 seconds	20 min 19 seconds	26 min 30 seconds
Runtime at 50% Load (min)	11 min 30 seconds	8 min 5 seconds	11 min	8 min	10 min 30 seconds
Overload	120% load 5s				
Surge Protection & FIltering					
EMI/RFI Filtration	Yes				
Management & Communications					
LCD Panel	Display AC mode, Bypass mode, Inverter mode, Input Voltage, Output Voltage, Frequency, Load, Capacity battery...				
Audible Alarms	Battery Mode, Low Battery, Overload, UPS Fault				
Connect	USB, SNMP Slot,..... (Configurable)				
Softwave	Manager Power allows monitoring, automatic on / off UPS and system with all Windows (Configurable)				
Physical Size - UPS Module					
UPS Dimensions (D*W*H) (mm.)	370*120*187 ± 2%	370*120*190 ± 2%	390*144*210 ± 2%	367*190*340 ± 2%	575*190*380 ± 2%
UPS Weight (kg.)	10.24 ± 2%	12.25 ± 2%	20.50 ± 2%	25.47 ± 2%	49.62 ± 2%
Environmental					
Operating Temperature (độ C)	0 - 40 (non-condensing)				
Operating Relative Humidity (Non-condensing) (%)	10 - 90% relative humidity				

*Note: Specifications may vary depending on production stage

STANDARD: Conform to GB/IEC regulation: EMC:GB7260.2/IEC62040-2 GB/17626.2~5/IEC61000-4-2~5 SAFETY:GB4943