



UPS

Uninterruptible
Power Supply



BL SERIES 2000VA, 3000VA

Line-Interactive Offline

► TECHNICAL FEATURES

⊗ Wide Input Voltage Range

The UPS adopts integrated CPU control technology, enabling fast and accurate response during power interruptions. The wide input voltage range allows the UPS to operate stably under fluctuating utility power conditions without switching to battery mode.

The UPS is equipped with automatic startup, AVR (Automatic Voltage Regulation), and multiple protection functions to safeguard connected equipment. It is suitable for computers, servers, POS systems, networking devices, telecommunications, broadcasting systems, hospitals, industrial control systems, and data centers.

⊗ Stable Input Voltage Operation

The UPS maintains stable output voltage within the supported input voltage range. When the input voltage exceeds the safe operating range, the UPS automatically switches to battery mode and activates an alarm notification.

This function protects connected equipment from over-voltage and under-voltage conditions while allowing users to continue operating devices or safely save data during unstable power conditions.

⊗ AVR Function (Automatic Voltage Regulation)

The UPS features intelligent AVR technology to stabilize output voltage through multiple voltage regulation levels, ensuring continuous and reliable operation of connected equipment.

⊗ Overload Protection

During battery mode operation, if an overload condition occurs, the UPS will automatically shut down the output to protect the system. Once the load returns to a safe operating level, the UPS will automatically resume normal operation.

This feature helps prevent equipment damage caused by overload during operation.

⊗ Power Management

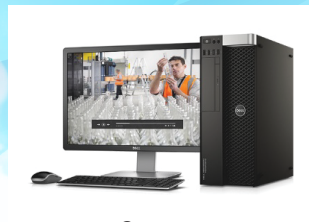
The UPS supports USB communication interface (optional), allowing users to monitor and manage UPS operating status through power management software on a computer.



► APPLICATIONS



Epos



Computer



Smart phone



Wifi



CCTV



Modem



Led Light



Switch



Scan



Printer



Timekeeper

► UPS FEATURES

- Wide input voltage range and high input power factor
- Input efficiency up to 98%, power factor 0.6PF
- LCD display: Input/output voltage, UPS load percentage, battery capacity, and operating status (utility mode or battery backup mode)
- Audible low battery alarm
- Low noise operation
- Self-test function at startup
- Automatic charging in both ON and OFF modes
- Automatic input frequency sensing
- Microprocessor-controlled UPS operation and power management
- Generator compatible
- Automatic restart when utility power is restored
- Suitable for low-power devices such as modem, switch, Wi-Fi router, LED lighting, etc.
- Built-in AVR (Automatic Voltage Regulation) function
- Automatically switches to battery mode during over-voltage or under-voltage conditions
- Protection against over-voltage, under-voltage, short circuit, and overload
- USB communication port for computer connection (optional)
- Optional Power Manager software for UPS monitoring, automatic computer shutdown, and UPS/computer power management

SPECIFICATIONS

Model	BL2000 LCD	BL2000E LCD	BL2000U LCD	BL3000 LCD
General				
UPS Topology	Offline			
Physical				
Form Factor	Tower			
Input				
Generator Compatibility	Yes			
Nominal Input Voltage	220VAC			
Input Voltage Range	175VAC - 275VAC			
Input Frequency	50Hz/60Hz (40~65Hz)			
Input Frequency Detection	Auto sensing			
Output				
Capacity	2000VA			3000VA
Capacity	1200W			1800W
On Battery Waveform	Simulated sine wave			
On Battery Voltage(s)	220VAC ±10%			
On Battery Frequency	50Hz ± 0.5Hz			
Automatic Voltage Regulation (AVR)	Yes			
Power Factor	0.6			
Overload Protection	Fuse			
Outlet(s) - Total	6			
Outlet Type	IEC Universal *4 & C13 *2			
Outlet (s) - Battery & Surge Protected	6			
Typical Transfer Time	4 - 6ms			
Battery				
Battery	12V9Ah	12V7.2Ah	12V9Ah	12V9Ah
Quanlity	2 pcs	4 pcs	4 pcs	4 pcs
Charge Current	0.9A (Max)			
Charger time	4-6 hours recover to 90% capacity			
Battery Type	Sealed lead acid maintenance free			
Backup Time				
Battery mode	UPS auto shutdown when battery low			
Desktop Office + LCD 24 inch *1	1 hour 36 minutes	2 hour	2 hour 54 minutes	2 hour 54 minutes
Desktop Office + LCD 24 inch *2	30 minutes	1 hour	1 hour 21 minutes	1 hour 21 minutes
Desktop Office + LCD 24 inch *3	23 minutes	38 minutes	50 minutes	50 minutes
Runtime at 25% Load	22 minutes	28 minutes	33 minutes	33 minutes
Runtime at 50% Load	7 minutes 23 seconds	10 minutes	21 minutes	21 minutes
Overload	101% load UPS warning and shutdown then 10 seconds			
Surge Protection & Filtering				
EMI/RFI Filtration	Yes			
Management & Communications				
LCD display	Input/Output Voltage, UPS Load Percentage, Battery Capacity, Operating Status (Utility Mode / Battery Backup Mode during Power Failure)			
Connect computer	USB Port (Configurable)			
Software	Manager Power allows monitoring, automatic off system with all Windows (Configurable)			
Physical Size - UPS Module				
UPS Dimensions (D*W*H)	338*140*210mm ± 2%			
UPS Weight	14.45kg ± 2%	17.85kg ± 2%	19.45kg ± 2%	20.7kg ± 2%
Environmental				
Operating Temperature	0-45°C			
Operating Relative Humidity	10 - 90% relative humidity (Non-condensing)			
Warranty				
Product Warranty Period	2 year			

*Note: Specifications may vary depending on production stage