



BM850AVRLCD INTELLIGENT LCD UPS

Powerful protection for home and office equipment

The **bXterra BM850AVRLCD Intelligent LCD UPS** system provides battery backup and surge protection for home and office devices. Powerful yet economical, the Intelligent line of LCD UPS systems are built to serve consumer-level power backup needs. A feature-rich LCD screen, line-interactive topology, simulated sine wave output and Automatic Voltage Regulation are just a few key features of this UPS backup system.

This UPS system uses AVR (Automatic Voltage Regulation) to handle minor power fluctuations without switching to battery power, thereby extending battery life. This ENERGY STAR® certified UPS system uses our GreenTech™ UPS Bypass Design to deliver improved UPS performance resulting in less energy waste and heat buildup.

Our 3-year warranty and Superior Quality Standards™ in manufacturing and design ensure our UPS system is built to the highest standards in craftsmanship and material design. A Directly Connected Equipment Guarantee provides additional assurance as to the superior construction of our products.

FEATURES

Capacity: 850VA/480W
Topology: Line Interactive
Waveform: Simulated Sine Wave
Output: 120VAC \pm 5%
Plug Type & Cord: NEMA 5-15P, 6 ft. cord
Plug Style: 45° Offset Plug-Right Angle
Outlets: 10 (5 Surge & Battery + 5 Surge Only)
Communication: USB
Runtime (half/full): 9 min/2 min
Data Line Protection: Telephone/Ethernet/Coaxial
Management Software: PowerFrame™ Personal
ENERGY STAR® Certified: Yes
Replaceable Battery: Yes
Warranty: 3 Years
Directly Connected Equipment Guarantee: \$300,000



Automatic Voltage
Regulation



Power Status



GreenTech™

TYPICAL APPLICATIONS



Smart Devices



Routers & Modems



Gaming Consoles



Desktop Computers

Home Theater Equipment

Workstations

Home Networking Devices



BM850AVRLCD INTELLIGENT LCD UPS SPECIFICATIONS



GENERAL

UPS Topology	Line Interactive
Energy Saving	GreenTech™ UPS
ENERGY STAR® Certified	Yes

INPUT

Voltage	120V
Frequency Range	50/60 Hz ± 5Hz
Input Voltage Range	86–140V
Plug Type	NEMA 5–15P
Plug Style	Right Angle, 45° Offset
Power Cord	6 ft (1.83m)

OUTPUT

VA/W	850VA/480W
Power Factor	0.56
Automatic Voltage Regulation	Boost +15%
On Battery Voltage	120VAC ± 5%
On Battery Frequency	50/60 Hz ± 1Hz
On Battery Waveform	Simulated Sine Wave
Outlet Type	NEMA 5–15R
Outlets–Total	10
Outlets–Battery & Surge Protected	5
Outlets–Surge–Only Protected	5
Overload Protection	Internal Circuitry Limiting/Circuit Breaker
Transfer Time	4 ms typical

BATTERY

Runtime at Half Load	9 min
Runtime at Full Load	2 min
Battery Type	Sealed Lead–Acid
Battery Size	12V/9AH
Hot–Swappable	Yes
Replacement Battery Cartridge	DJW12–9.0
Battery Quantity	1
Replaceable	Yes
Typical Recharge Time	6–8 hour(s) to 90% capacity

SURGE PROTECTION & FILTERING

Surge Suppression	1080 Joules
Phone RJ11/Ethernet RJ45	Yes
Coax Protection RG6	1–In, 1–Out
EMI/RFI Filtration	Yes

MANAGEMENT & COMMUNICATIONS

Multifunction LCD Panel	Input/Output Voltage, Input/Output Frequency, Load Level, Battery Capacity, Estimated Remaining Runtime and Site Wiring Fault, Fault, Mute, AVR, Overload
HID Compliant USB Port	Yes
Management Cable	USB Cable
Audible Alarms	On Battery, Low Battery, Overload, Fault
Software	PowerFrame™ Personal

PHYSICAL

Form Factor	Mini–Tower
Dimensions (in) W x H x D	3.9 x 11 x 11.3
Weight (lbs)	17.16

ENVIRONMENTAL

Operating Temperature	32°F to 104°F (0 °C to 40°C)
Storage Temperature	5°F to 113°F (–15°C to 45°C)
Operating Humidity	0%–90% non–condensing
Storage Relative Humidity	0%–95% non–condensing
Maximum Operating Elevation	10,000 ft (3,000 m)
Maximum Storage Elevation	50,000 ft (15,000 m)

CERTIFICATIONS

Safety	cTUVus (standard:UL1778) FCC Part 15 Class B ENERGY STAR® Certified
Environmental	RoHS Compliant

WARRANTY

Commercial Warranty	3 Years Limited
Directly Connected Equipment Guarantee	\$300,000



RoHS FC