



# SP2200LCDRT2U SMART SINE WAVE UPS

# Pure Sine Wave Output for Critical Devices



Sine Wave



Automatic Voltage Regulation



Power Status



Management Software



GreenTech™

## TYPICAL APPLICATIONS



- Corporate Settings
- Departmental Applications
- Storage Appliances
- Server Rooms
- VoIP Systems
- Network Closets

The **SP2200LCDRT2U** Smart Sine Wave UPS system with line-interactive topology and GreenTech™ UPS Bypass Design offers battery backup and power protection for corporate and departmental power applications. Providing pure sine wave output to connected devices in case of a power failure, this UPS backup system is designed to protect corporate and departmental servers, storage appliances, network devices, VoIP systems and other critical equipment.

A feature-loaded LCD interface provides instantaneous feedback and detailed information about power quality, battery life, usage statistics and much more. Able to be rack-mounted or stood vertically, this pure sine wave UPS is ENERGY STAR® certified and uses Automatic Voltage Regulation to provide clean, consistent power to connected equipment. Access and manage this UPS system remotely from a computer or workstation with our PowerFrame™ UPS-management software, a powerful tool to fully optimize your bXterra Smart Sine Wave UPS.

## FEATURES

- Capacity: 1920VA/1920W
- Topology: Line Interactive
- Waveform: Pure Sine Wave
- Output: 120VAC ± 1.5%
- Plug Type & Cord: NEMA 5-20P, 10 ft. Cord
- Plug Style: Straight
- Outlets: 8 NEMA 5-20R (Battery Backup & Surge)
- Communication: USB, Serial, SNMP, Relay, EPO
- Runtime (half/full): 12 min/4 min
- Data Line Protection: Telephone/Ethernet
- Management Software: PowerFrame™ Business
- ENERGY STAR® Certified: Yes
- Replaceable Battery: Yes
- Warranty: 3 Years
- Directly Connected Equipment Guarantee: \$350,000



# SP2200LCDRT2U SMART SINE WAVE UPS SPECIFICATIONS



## GENERAL

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

## INPUT

Input Phase	Single-Phase
Voltage	120VAC
Input Circuit Breakers	20A
Rated Input Current (Maximum Load)	16A
Frequency Range	50/60Hz (auto-sensing)
Input Voltage Range	81-152VAC
Plug Type	NEMA 5-20P
Plug Style	Straight Type
Power Cord	10 ft (3 m)

## OUTPUT

VA/W	1920VA/1920W
Power Factor	1.00
Automatic Voltage Regulation	Boost +15% / Buck -13%
Nominal Output Voltage(s) Supported	110/115/120/127VAC
On Battery Voltage	120VAC ± 1.5%
On Battery Frequency	50/60Hz ± 0.1Hz
On Battery Waveform	Pure Sine Wave
Harmonic Distortion	2% max @ 100% linear load ; 5% max @ 100% non-linear load (12% Max. before low battery alarm)
Outlet Type	NEMA 5-20R
Outlets - Total	8
Outlets-Critical Load	4
Outlets - Battery & Surge Protected	8
Load Management Outlets	4
Overload Protection	Firmware/Circuit Breaker
Transfer Time	4ms typical

## BATTERY

Runtime at Half Load	12 min
Runtime at Full Load	4 min
Battery Type	Leakproof and maintenance-free sealed lead-acid battery
Battery Size	12V/7Ah
Battery Volt-Amp-Hour Capacity(W/h)	432
Hot-Swappable	Yes
Battery Quantity	6
Replaceable	Yes
DC System Voltage (VDC)	72VDC
Typical Recharge Time	4 hours to 90% capacity

## SURGE PROTECTION & FILTERING

Surge Suppression	1372 Joules
Phone RJ11/Ethernet RJ45	1-In, 1-Out
EMI/RFI Filtration	Yes: meets UL 1449

## MANAGEMENT & COMMUNICATIONS

Multi-Status LCD Screen	Displays: Load Level, Runtime, Battery Level, Battery In Use, Input Voltage, Output Voltage, Output Frequency, Overload, Wiring Fault, Battery Voltage, Silent Mode, Normal Mode, AVR
HID Compliant USB Port	Yes
Management Cable	USB Cable, Serial Cable, EPO Cable(Optional)
Serial Port	Yes
EPO Port	Yes
Audible Alarms	Battery Mode, Low Battery, Overload, Fault
Software	PowerFrame™ Business
SNMP/HTTP Remote Monitoring	Power management from SNMP Manager and web browser (Optional)

## PHYSICAL

Rack Size	2U
Form Factor	Rack/Tower
Dimensions (in) W x H x D	17.24 x 3.46 x 24.8
Weight (lbs)	59.1

## ENVIRONMENTAL

Operating Temperature	32°F to 104°F (0°C to 40°C)
Storage Temperature	-13°F to 113°F (-25°C to 50°C)
Operating Humidity	0-95% (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)
Audible Noise	Line Mode <45db Battery Mode <55db
AC Mode Thermal Dissipation	224 BTU/Hr

## CERTIFICATIONS

Environmental	cULus (Conforms to UL1778 5th Edition & CSA 22.2 no. 107.3-14/R: 2014), FCC DOC Class B, ENERGY STAR® certified
Safety	RoHS Compliant

## WARRANTY

Commercial Warranty	3 Years Limited
Directly Connected	\$350,000
Equipment Guarantee	

