



Sentra XL

Line-interactive Sine Wave UPS Series



Your Power Solutions Partner

- Highly efficient line interactive sine wave UPS with 0.9 output power factor
- Optional external battery cabinets with "daisy-chainable" connections and dependable high rate charger provide extended backup
- Rack/tower convertible design with rotating LCD panel provides compact and flexible form factor
- Advanced Automatic Voltage Regulation (AVR) lengthens battery life
- Hot swappable battery function facilitates maintenance
- USB and RS232 interfaces, plus optional SNMP card, provide additional communication flexibility



Sentra XL Rack Configuration



Sentra XL Tower Configuration

The Sentra XL series, with extendable backup time capability, provides a compact, flexible form factor for many business applications involving critical file servers, network switches, hubs and small computers.


Alpha Technologies Ltd.

Canada: Burnaby, British Columbia T: 604.436.5900 F: 604.436.1233
United States: Bellingham, Washington T: 360.647.2360 F: 360.671.4936

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Sentra XL Series

Models	Sentra XL 1000	Sentra XL 1500	Sentra XL 2200	Sentra XL 3000
Input				
Acceptable Voltage Range	83-159Vac or 160-300Vac			
Voltage Window	110/120/127Vac or 220/230/240Vac ±25%			
Frequency	45~65Hz (auto-sensing)			
Phase	Single phase + ground			
Output				
Voltage Range Battery Mode	110/120/127Vac or 220/230/240Vac ±5%			
Frequency	50/60Hz Auto-sensing			
Capacity	1000VA/900W	1500VA/1350W	2200VA/1920W	3000VA/2700W
Wave Form	Pure Sine Wave			
Transfer Time	4-6ms typical			
Efficiency	Line Mode: Up to 95%; Boost/Buck Mode: Up to 94%			
Cold Start	Yes			
Battery				
Type	Sealed Lead Acid Maintenance-free			
Capacity	12V/7AH	12V/9AH	12V/7AH	12V/9AH
Quantity	4	4	8	8
Voltage	24V	24V	48V	48V
Autonomy (80% load)	8.6 mins	7.1 mins	7.9 mins	7.3 mins
Recharge Time	5 hours to 90% after complete discharge at 100% load			
Display				
Status on LCD	Line bypass, AVR Boost (Buck), Backup, Battery Level, Battery Low, Load Level, Battery Fault, UPS Fault			
Status on LED	Line Mode, Battery Mode & Fault			
Self-diagnostics	Upon Power On and Software Control			
Protection				
Overload	Line Mode	>100%-110% buzzer alarms only		
		>110%-120% for 10 min. and then shutdown		
		>120% shutdown after 1 cycle		
	Battery Mode	>100%-120% buzzer alarms only		
		>120%-130% shutdown after 10 sec.		
>130% shutdown after 1 cycle				
Short Circuit	Line Mode	Resettable Breaker		
	Battery Mode	Electronic Circuit		
Battery Low	Alarm and Switch Off			
EPO	UPS shuts down immediately			
Battery	Electronic System of Management of Battery Discharge			
Heat Dissipation	96W	108W	192W	216W

Alarms				
Acoustics & display	Mains Fault, Low Battery, Overload and Fault conditions			
Mechanical				
Dimensions	mm	88H x 440W x 491D		88H x 440W x 701D
	inches	3.5H x 17.3W x 19.3D		3.5H x 17.3W x 27.6D
Input Connectors	120Vac	NEMA 5-15P		NEMA 5-20P NEMA L5-30P
	230Vac	IEC-320-C14		IEC-320-C20
Output Connectors	120Vac	(6) NEMA 5-15R		(4) NEMA 5-15R, (2) NEMA 5-20R, (1) NEMA L5-30R
	230Vac	(6) IEC-320-C13		(6) IEC-320-C13, (1) IEC-320-C19
Net Weight	120Vac	25kgs (51lbs)	27.8kgs (61lbs)	41.8kgs (92lbs) 47.8kgs (105lbs)
	230Vac	25kgs (51lbs)	27.8kgs (61lbs)	42kgs (93lbs) 46.2kgs (102lbs)
Environment				
Operating Temperature	0 to 40°C (30 to 104°F)			
Warning Temperature	The battery design life is based on a temperature of 25°C (77°F)			
	Ambient temperature above this range will affect battery life			
Altitude	0-2000M up to 40°C (104°F); 0~3000M up to 35°C (95°F)			
Humidity	90% RH Maximum, No Condensing			
Noise	Line Mode: 40 dB Max; Bat. Mode: 45 dB Max.			
Computer Interface				
Type	Standard RS232 and USB			
Slots	Dry Contact Card or SNMP card			
Compatible Platforms	Windows 95/98/NT/2000/XP/Vista/Win7, Novell Netware, Linux, MAC			
Agency Compliance				
Quality	ISO 9001 certified manufacturing			
Security	EN62040-1-1, UL1778			
Performance	EN62040-3			
Standard EMC	EN62040-2, EN61000-3-2, FCC Class A			
Marking	CE, UL, cUL, FCC			