

Power

Sentra XL

Line-interactive Sine Wave UPS Series



Sentra XL Rack Configuration



Sentra XL Tower Configuration

- 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 and optimal runtime
- 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 ease of maintenance
- USB and RS232 interfaces, plus customer definable slot, provide additional communication flexibility

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.


For more information visit www.alpha.ca

Canada: Burnaby, British Columbia Tel: 604 436 5900 Fax: 604 436 1233

#0480011-00 Rev D (11/2011)

United States: Bellingham, Washington Tel: 360 647 2360 Fax: 360 671 4936

Alpha Technologies reserves the right to make changes to the products and information contained in this document without notice. Copyright © 2010 Alpha Technologies. All Rights Reserved. Alpha® is a registered trademark of Alpha Technologies. member of The Alpha Group™ is a trademark of Alpha Technologies.

member of The  Group™

Your Power Solutions Partner

Sentra XL Series

Specifications				
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	2100VA/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 19.3D	
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	(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 (77°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			