



SX-AX20E

TECHNICAL DESCRIPTION

The SX-AX20E shall be a one-rack-space unit in a magnetic shielding steel enclosure. It shall operate from 120 volts AC and have a 9-foot, grounded, 3-wire #12 line cord. There shall be 8 grounded AC receptacles on the back panel, with all 8 switched. Overall dimensions shall be 1.75" H x 19" W x 12.25" D. Weight shall be 13 pounds. The unit shall have remote turn-on capabilities enabled by wired Ethernet, serial, and terminal block connections. Remote turn-on and turn-off shall be activated by contact closure or software. It shall have remote control, sequencing, scheduling, measurement, AutoPing, and adjustable trigger functions, and shall support wired RS-232 and Ethernet HTTP, Telnet, SNMP, Syslog, SMTP, and SDxP protocols. The unit shall measure voltage, current (per outlet), power (per outlet), energy (per outlet), and temperature, and shall record events in its internal memory. There shall be two relay outputs for control and cascading. The SX-AX20E shall have a load rating of 20 amps at 120 volts, a self-test circuit with visual indicator, and provide EMI/RFI filtering, inrush current elimination and catastrophic over/under-voltage shutdown. It shall withstand at least 1000 occurrences of surge pulse voltages up to 6000 volts.

SPECIFICATIONS		SX-AX20E
Load Rating		20A
Voltage Rating		120V
Power Requirement (no load)		15 W
Surge Let-through Voltage (6000 Volt Surge)		0 Volts
Maximum Applied Surge Voltage		6000 Volts *
Maximum Applied Surge Current		Unlimited (due to current limiting) *
Maximum Applied Surge Energy		Unlimited (due to current limiting) *
Endurance (C62.41-1991 category B3 pulses)		1 KV > 500,000; 3 KV > 10,000; 6 KV > 1000
EMI/RFI Filter	Normal mode (50Ω load)	>20dB 35kHz – 50MHz >30dB 170kHz – 20MHz 25 dB@100 KHz, 40dB@300 KHz, 56 dB@3 MHz, 30 dB@30 MHz
	Common Mode (50Ω load)	> 10dB 300kHz – 50MHz >20dB 1.5MHz – 50MHz 10dB@300 KHz, 18dB@1 MHz, 30 dB@5 MHz, 20 dB@20 MHz
Under-Voltage Auto Shutdown		Adjustable from 80V to 110V, or disabled. Default 80V.
Over-Voltage Auto Shutdown		Adjustable from 130V to 160V. Default 150V.
Over-Current Auto Shutdown		Circuit Breaker Electronic shutdown adjustable from 1A to 20A, or disabled
Over-Temperature Auto Shutdown		Adjustable from 70 to 100°F, or disabled
Measurement Accuracy	Voltage	± 1% from 90 – 160 VRMS
	Current	± 1% from 0.1 – 20 ARMS (Resistive)
	Power	± 5% from 0.1 - 2400 WRMS (Resistive)
	Energy	± 5% kWh
	Temperature	± 2C from -25 - 105C
Network Port		10/100 Ethernet connection on Female RJ-45, Auto Negotiating with 10/100/1000 network connections with Link and Activity LEDs
Serial Port		RS-232 on Female 9-pin D-subminiature, DCE
Temperature Sensor Input		2 x screw terminal
Auxiliary Relay Outputs		(2) 3 x screw terminal
Contact Closure Input		2 x screw terminal
Dimensions		19" W x 12.25" D x 1.75" H
Weight		13 lbs
Temperature Range:		5C to 35C
Humidity Range		5% to 95% R.H. Non-condensing
Agency Listings		Conforms to UL Stds 1283 & 1449 Certified to CSA Std C22.2 No. 8

* 1.2 x 50 microsecond industry standard combination wave surge as per IEEE C62.41

** Specifications subject to change without notice

SPECS v.030118

