



# SA-20

## TECHNICAL DESCRIPTION

The SA-20 shall be a compact standalone 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 2 grounded AC receptacles. Overall dimensions shall be 4.0" H x 10.2" W x 4.2" D. Weight shall be 8.5 pounds. The SA-20 shall have a load rating of 20 amps at 120 volts, a self-test circuit with visual indicator, and provide EMI/RFI filtering. It shall withstand at least 1000 occurrences of surge pulse voltages up to 6000 volts.

SPECIFICATIONS		SA-20
Load Rating		20A
Voltage Rating		120V
Power Requirement (no load)		4 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)	> 20 dB, 38 kHz – 50 MHz > 30 dB, 160 kHz – 50 MHz 25 dB @ 100 kHz; 39 dB @ 300 kHz; 60 dB @ 3 MHz; 44 dB @ 30 MHz
	Common Mode (50Ω load)	> 10 dB, 280 kHz – 50 MHz > 20 dB, 1.7 MHz – 50 MHz > 30 dB, 9 MHz – 27 MHz 11 dB @ 300 kHz; 19 dB @ 1 MHz; 26 dB @ 5 MHz; 34 dB @ 20 MHz
Under-Voltage Auto Shutdown		No
Over-Voltage Auto Shutdown		No
Over-Current Auto Shutdown		Circuit Breaker
Over-Temperature Auto Shutdown		None
Measurement Accuracy	Voltage	NA
	Current	NA
	Power	NA
	Energy	NA
	Temperature	NA
Network Port		No
Serial Port		None
Temperature Sensor Input		None
Auxiliary Relay Outputs		No
Contact Closure Input		No
Dimensions		4.0" H x 10.2" W x 4.2" D
Weight		8.5 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

