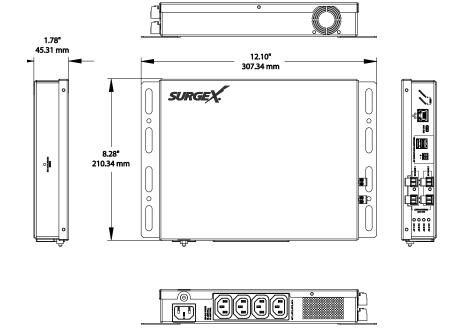


SX-DC-8-12 SX-DC-8-24 SX-DC-8-1224

## **TECHNICAL DESCRIPTION**

The SX-DC-8-XXXX shall be a universally mountable unit in a magnetic shielding steel enclosure. It shall operate at 120 or 240 volts AC and have a detachable line cord. There shall be 4 grounded AC receptacles on the input face, with all 4 individually switched. There shall be 2 individually switched DC output banks with 2 detachable connectors per bank. There shall be an unswitched 5 volts DC output on a detachable connector, as well as two USB A ports for power. There shall also be a USB OTG port for out of band control and configuration. Overall dimensions shall be 1.75" D x 8.25" W x 10" L. Weight shall be no more than 5.5 pounds. The unit shall have remote turn-on capabilities enabled by wired Ethernet. Remote turn-on, turn-off, and reboot shall be activated by software. It shall have remote control, sequencing, scheduling, measurement, AutoPing, and adjustable trigger functions, and shall support wired Ethernet HTTP, HTTPS, SNMPv1, SNMPv3, NTP, mDNS, 802.1x, and LDAP protocols. The unit shall measure voltage, current, power, frequency, energy, and temperature, and shall record events and measurements in its internal memory. The SX-DC-8-XXXX shall have a load rating of 15 amps at 120 volts, a load rating of 10 amps at 240 volts, a self-test circuit with software enabled indicator, and provide EMI/RFI filtering, and catastrophic over/under-voltage shutdown. It shall withstand surge pulse voltages up to 6000 volts.

Parameter				Specification			
AC Load Rating	No	rth A	merica	12 Amps at 120 Volts			
Maximum Full Load	Re	st of	World	10 Amps at 240 Volts			
DC Load Rating				DC Output 1	DC Output 2	Combined DC1 +	5V Output
Maximum Full Load				Rating	Rating	DC2 Rating	Rating
8		SX-DC-8-12		5A @ 12V	5A @ 12V	10 A @ 12V	3A @ 5V
S		SX-DC-8-24		2.5 A @ 24V	2.5 A @ 24V	5A @ 24V	3A @ 5V
		SX-DC-8-1224		2.5 A @ 24V	5A@ 12V	NA	3A @ 5V
Power Requirement (no load)				15 Watts			
DC Efficiency				90% Typical			
Audible Noise at 1m				35 dBA Typical			
Heat Generation				185 BTU/h Max			
	Normal mode (50Ω load)			> 30 dB 80 kHz — 50 MHz			
	Commo	on M	ode (50 $\Omega$ load)	> 20 dB 160 kHz — 27.5 MHz			
EMI/RFI Filter				> 30 dB 310 kHz - 17.6 MHz			
Under-Voltage Auto Shutdown				Adjustable from 0V to 300V, or disabled.			
Over-Voltage Auto Shutdown				Adjustable from 125V to 300V, or disabled.			
Over-Current Auto Shutdown				Adjustable from 0.1A to 20A, or disabled.			
Measurement Accuracy  Voltage Current Power Energy			± 2% Typical Product Accuracy				
			± 2% Typical Product Accuracy				
			± 2% Typical Product Accuracy				
			± 2% Typical Product Accuracy				
Timestamp Accuracy				± 1% Typical Product Accuracy			
Network Port				10/100 Ethernet connection on Female RJ-45, Auto Negotiating with			
				10/100 network connections with Link and Activity LEDs			
				USB RNDIS Device on micro AB			
Dimensions				1.75"D x 10"L x 8.25"H			
Weight SX-DC-8-12, SX-DC-8-24			(-DC-8-24	5 lb.			
	-DC-8-1	8-1224		5.5 lb.			
Temperature Range:		07/ 20 0 40		100% Load			
SX-DC-8-12 SX-DC-8-24 SX-DC-8-1224				5C to 39C			
				5C to 47C	* ** ** *		
			-DC-8-1224	5C to 42C			
Humidity Range				0% to 95% R.H. Non-condensing			
Agency Listings				UL/CUL/CB 62368			







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