



# SX-DC-8-12

# SX-DC-8-24

# SX-DC-8-1224

Parameter	Specification				
AC Load Rating	North America	12 Amps at 120 Volts			
Maximum Full Load	Rest of World	10 Amps at 240 Volts			
DC Load Rating		DC Output 1 Rating	DC Output 2 Rating	Combined DC1 + DC2 Rating	5V Output Rating
Maximum Full Load	SX-DC-8-12	5A @ 12V	5A @ 12V	10 A @ 12V	3A @ 5V
	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				
EMI/RFI Filter	Normal mode (50Ω load)	> 30 dB 80 kHz – 50 MHz			
	Common Mode (50Ω load)	> 20 dB 160 kHz – 27.5 MHz > 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	± 2% Typical Product Accuracy			
	Current	± 2% Typical Product Accuracy			
	Power	± 2% Typical Product Accuracy			
	Energy	± 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	5 lb.			
	SX-DC-8-1224	5.5 lb.			
Temperature Range:	100% Load	100% Load			
	SX-DC-8-12	5C to 39C			
	SX-DC-8-24	5C to 47C			
	SX-DC-8-1224	5C to 42C			
Humidity Range	0% to 95% R.H. Non-condensing				
Agency Listings	UL/CUL/CB 62368				

## 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.

