

OPERATION MANUAL



Ashe SX-2402

DESCRIPTION

The new Series SX range of Switch-Mode Regulated DC Power Supply Units are designed using state of the art techniques in power switching, providing excellent voltage regulation, high efficiency and low power dissipation. Offered in a wide range of output voltages and power ratings, these power supplies are available in sleek and attractive enclosures in compact and rugged execution. These power supplies incorporate the latest current mode PWM controllers, UFR diodes, MOSFETs and ferrite-core transformers for providing efficient power control and reliable field performance.

The Series SX SMPS units are designed for continuous full load operation in tough industrial environments, while ensuring the protection of the powered equipment by providing galvanic isolation between input and output, besides complete RFI and EMI filtering. Additional protection such as CVCC logic for overload protection, thermal shut-down, electronic switching for short circuit protection and forced cooling are also provided as standard features.

The power supplies are offered in standard DIN Rail or rack-mounting execution in compact and rugged enclosures.

FEATURES

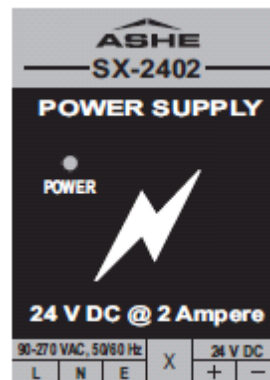
- Load Ratings of 2, 5, 10, 20, 30, and 40 Ampere
- Reliable Current-Mode PWM power control
- Universal Input (90 to 270 V AC, 50/60 Hertz) for some models.
- Multiple Power outputs.
- High output load regulation
- Low heat dissipation
- RFI and EMI filters provided
- Compact and rugged enclosures
- Suitable for Rack/DIN Rail /Wall mounting
- DC to DC converters in various ratings
- Protection from line frequency fluctuations
- Overload protection using CVCC logic
- Short-Circuit protection by electronic switching
- Thermal over-shoot protection
- Built-in Fans for forced cooling
- Digital metering option
- Control Relay output for remote power fail alarm
- Battery Chargers in various ratings
- Galvanic isolation up to 2 kV
- Inrush current protection
- Single/multiple power outputs
- Fast-blow fuses
- Dual-Redundancy option
- High Noise immunity.
- Proven record of several thousand installations

Testing Procedure :

- Connect input 90 to 270 VAC and check output. Output should be 24 VDC@ 2 Ampere.
- Connect load at output and kept for heat-run test for over-night.

Side Label sticker :

ASHE	
SMPS UNIT	
Model	SX-2402
Input Signal	90 to 270 VAC
Output	24 VDC
Current	2 Amp
Serial No.	0306407
Date	09.01.2020
MADE IN INDIA	
www.ashecontrols.com	



Terminal Details

L (LINE)	90 TO 270 , 50/60 Hz
N (NEUTRAL)	
E (EARTH)	
X	NO CONNECTION
+	24 VDC
-	