ASHE CONTROLS PVT LTD
an ISO 9001:2015 certified company

SX-2405

SX-Series Switch Mode DC Power Supply



RoHS Compliant

MAKE IN INDIA

Overview

The new SX-2405 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, also 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 SX-2405 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 instruments operate on 90 to 270 V, 50/60 Hz Universal AC power supply, or optionally 120 to 370 VDC power supply. The power supplies are offered in standard DIN Rail or wall–mount execution in compact and rugged enclosures.

This product is backed by a full two-year warranty, covering all manufacturing defects and workmanship issues under normal operating conditions.

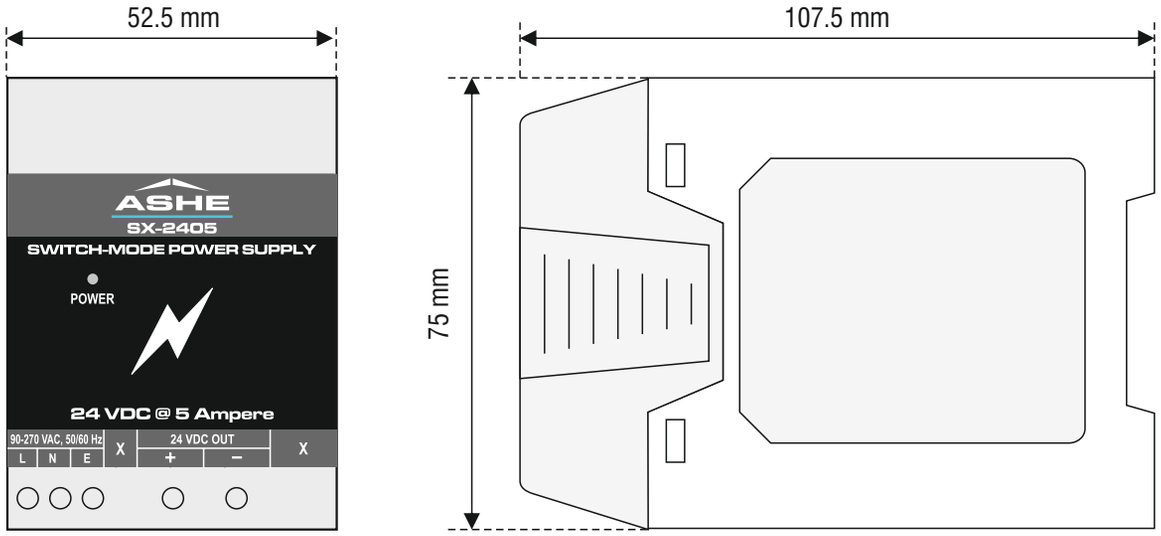
Specifications

Model	ASHE SX-2405.
Type	Switch-mode DC Power Supply.
Power Supply	90 to 270 V, 50/60 Hz Universal AC power supply, or optionally 120 to 370 VDC power supply.
Output Voltage	24 V DC.
Indication	Power ON LED.
Load Current	5 Ampere (continuous).
Peak Load Current	Up to 40% of rated load current.
Load Regulation	$\pm$1%.
Line Regulation	$\pm$1%.
Isolation Type	Galvanic (up to 3 kV).
Ripple & Noise	$<$ 1%.
Short Circuit Protection	Electronic CVCC control.
Dimensions	75 x 52.5 x 107.5 mm [H x W x D].
Execution	DIN-Rail / Wall mounting.
Enclosure	Industrial Grade ABS
Weight	Approx. 0.3 Kg.
Operating Temperature	0 to 55^{0}C.

Features

- Load Rating of 5 Ampere (continuous)
- Reliable Current-Mode PWM power control
- AC or DC Power Supply options (to be specified)
- High output load regulation
- Low heat dissipation
- AC or DC Power Supply options (to be specified)
- RFI and EMI filters provided
- Compact and rugged enclosure
- Suitable for Rack/DIN Rail /Wall mounting
- Protection from line frequency fluctuations
- Overload protection using CVCC logic
- Short-Circuit protection by electronic switching
- Thermal over-shoot protection
- Galvanic isolation upto 3 kV
- Inrush current protection
- High efficiency, high reliability
- High Noise immunity, low ripple
- Two-year Performance Warranty
- Proven track record of successful site installations

Dimensional Diagram



FRONT VIEW

SIDE VIEW

How To Order

	SWITCH MODE DC POWER SUPPLY	**SX-24**				
	Configuration and add-on options					
1	**OUTPUT CURRENT**					
▸	2.5 Ampere		02			
▸	5 Ampere		05			
▸	10 Ampere		10			
▸	20 Ampere		20			
2	**POWER SUPPLY**					
▸	AC Voltage 90 to 270 VAC, 50/60 Hz			A		
▸	DC Voltage 120 to 370 VDC			D		
3	**EXECUTION**					
▸	DIN Rail / Wall Mounting				D	
▸	Field mounting in Weather-proof execution				W	
▸	Field mounting in Flame/Explosion-proof Ex-d execution				X	

Our Other Products


FLOW TOTALIZER


SIGNAL ISOLATORS & TRANSDUCERS


TEMPERATURE SCANNER


FLAMEPROOF INSTRUMENTS


STATIC POWER SWITCHES

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