

AMIKON TECHNICAL INTELLIGENCE

Product Data Sheet

Mean Well SP-240-24
240 W enclosed 24 V switching power supply



OFFICIAL SP-240 SERIES PRODUCT IMAGE

PRODUCT	OUTPUT	RATED POWER	COOLING
SP-240-24	24 V DC / 10 A	240 W	Built-in DC fan

Mean Well SP-240-24 is a 240 W enclosed AC/DC switching power supply with active power factor correction. It provides regulated 24 V DC power at up to 10 A and includes fan-assisted cooling plus electrical and thermal protection.

01 CURRENT PAGE PARAMETERS

Product Model	SP-240-24	Spare Model	SP-240-24
Product Parameters	240 W, 24 V DC, 10 A	Input	88-264 V AC
Tariff Code	85044095	Country of origin	Taiwan
Place of shipment	Xiamen, China	Stock	1 unit
Product Type	Enclosed switching power supply	Manufacturer	Mean Well
Dimensions	190 x 93 x 50 mm	Packing weight	0.80 kg
Output adjustment	20-28 V DC	Typical efficiency	87%
Operating range	-20 to +70 deg C	Humidity	20-90% RH

Source scope: official Mean Well SP-240-SPEC data for the exact SP-240-24 output variant. Values are not copied from a third-party product record.

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ELECTRICAL CHARACTERISTICS

DC output	24 V
Rated current	10 A
Rated power	240 W
Input range	88-264 V AC; 124-370 V DC
Frequency	47-63 Hz
Ripple and noise	150 mV p-p maximum
Voltage tolerance	+/-1.0%
Line regulation	+/-0.2%
Load regulation	+/-0.5%

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SYSTEM ROLE AND APPLICATIONS

SP-240-24 supplies regulated 24 V DC power for industrial automation equipment within the specified 10 A load, environmental limits, grounding requirements, and cabinet ventilation conditions.

- Industrial control cabinet DC power distribution
- PLC and remote I/O power supply
- Machine-control auxiliary power
- Instrumentation and sensor power
- Factory automation equipment power conversion

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OFFICIAL INSTALLATION FACTS

- Connect protective earth before applying input power.
- Keep the connected load within the 10 A rated current.
- Maintain unobstructed airflow around the built-in fan.
- Observe the official temperature derating curve and terminal assignments.

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OFFICIAL DOCUMENTATION

Mean Well SP-240 series specification: SP-240-SPEC. The manufacturer specification defines model selection, electrical limits, mechanical dimensions, block diagram, derating curves, and terminal assignments.

Prepared by Amikon Limited from the controlled Mean Well specification. This draft is not a manufacturer-issued data sheet.