

MANUFACTURER-SOURCE TECHNICAL REFERENCE

MEAN WELL SP-240-24

Product Reference

MEAN WELL 240 W single-output power supply with PFC

DOCUMENT SCOPE

Independent Apter Power manual compiled only from the cited MEAN WELL manufacturer sources. No product photograph is included.

Product / lookup identity	MEAN WELL SP-240-24
Reference number	SP-240-24
Document basis	Published MEAN WELL product records, PDFs, and manuals listed on page 3



Product page

<https://www.apterpower.com/sp-240-24>

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Product role and published parameters

WHAT IT IS, WHAT IT DOES, AND WHERE IT FITS

MEAN WELL SP-240-24 is an evidence-bounded 240 W single-output power supply with PFC. System role: It converts 88 to 264 VAC or 124 to 370 VDC input to a regulated 24 VDC output rated 10 A and 240 W. System context: MEAN WELL 240 W single-output power supply with PFC.

Published field	Manufacturer-published value or verified identity note
Exact model	SP-240-24
Rated output	24 VDC, 10 A, 240 W
Output adjustment	20 to 28 VDC
Input range	88 to 264 VAC; 124 to 370 VDC
Frequency	47 to 63 Hz
Typical efficiency	87%
Dimensions	190 x 93 x 50 mm

System function and signal path

01	System Inputs: It converts 88 to 264 VAC or 124 to 370 VDC input to a regulated 24 VDC output rated 10 A and 240 W.
02	Processing: Install it only as a component inside suitable end equipment with correct protective earthing, branch protection, ventilation and derating.

Applications, answers, and official sources

1 Installed-base maintenance: Supports evidence-led identification and replacement planning for MEAN WELL SP-240-24.

2 System documentation: Provides a source-traceable boundary for the documented SP-240 enclosed power-supply series configuration.

3 Commissioning review: Guides identity, companion-hardware, wiring and controlled functional checks before return to service.

4 Migration assessment: Separates exact-model facts from successor, sibling and family-level information.

Frequently asked questions

What is MEAN WELL SP-240-24?	It is an evidence-bounded 240 W single-output power supply with PFC; this page is limited to the cited manufacturer evidence.
Is the exact identity verified?	Verified Exact Model.
What is its system role?	It converts 88 to 264 VAC or 124 to 370 VDC input to a regulated 24 VDC output rated 10 A and 240 W.
Which installed-base context is documented?	SP-240 enclosed power-supply series.
Are related models automatic substitutes?	No. A sibling, repair code, suffix or engineering replacement is not an unconditional drop-in approval.
Must the physical label be checked?	Yes. Verify the model, revision, firmware and all order or configuration suffixes.

Official MEAN WELL sources

MEAN WELL SP-240 Series Specification	https://www.meanwell.com/Upload/PDF/SP-240/SP-240-SPEC.PDF
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