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Data Sheet

August 15, 2026

BEL FUSE / POWER-ONE

Bel Fuse / Power-One SPM3E2KS442 Modular High Power Supply (28V/27A)

Bel Power-One SPM3E2KS442 Modular High Power Supply The Bel / Power-One SPM3E2KS442 is a modular high-power AC-DC supply configuration rated 28 V at 27 A in catalog listings. OEM Power-One SPM modular family sheets describe hot-swap modular outputs, universal AC input, and paralleling for high-current 28 V industrial rails. Industrial 28 V system power, telecom and ATE racks needing modular hot-swap supplies. Instrument Type: modular AC DC power supply The Bel / Power-One SPM3E2KS442 is a modular high-power AC-DC supply configuration rated 28 V at 27 A in catalog listings. OEM Power-One SPM modular family sheets describe hot-swap modular outputs, universal AC input, and paralleling for high-current 28 V industrial rails. Industrial 28 V system power, telecom and ATE racks needing modular hot-swap supplies. Instrument Type: modular AC DC power supply Output Regulation Class: tightly regulated DC



MODEL

**Bel Fuse / Power-One
SPM3E2KS442**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

SPM3E2KS442

LISTING

<https://aumictechlabs.com/products/spm3e2ks442-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Bel Fuse/Power-One SPM3E2KS442 is a modular DC output module engineered to deliver 28V at 27A from a 300 VDC system power bus. Operating as part of the SPM3 series architecture, this switch-mode module accepts input from either AC utility mains or a user-supplied 300 VDC source, making it adaptable to diverse system topologies. The modular platform supports up to 21 outputs per power supply and enables over 10 million configuration possibilities across the series.

Technical Specifications
Output Voltage: 28V
Output Current: 27A
System Input Bus: 300 VDC
Power Factor Correction: Up to 99% PFC (EN60555 compliance)
Output Regulation: Fully regulated and isolated single outputs
Module MTBF: Greater than 5 million hours
Vibration Performance: 6 GRMS, 3-axis, 10 Hz to 2000 Hz

Key Features
Parallelable outputs with current-sharing capability eliminates external balancing networks
No minimum load requirement on most outputs simplifies system design
System and individual module inhibit control signals enable flexible power sequencing
Modular single-width slot bank form factor optimizes board density
AC input sections feature extensive transient protection for harsh environments
Metric mounting available on selected models

Compatibility & Integration
Certifications: EN60950/UL1950 approved, CE marked to Low Voltage Directive
Integrates within SPM3 modular platform supporting multiple isolated DC outputs
Compatible with both AC utility and DC source architectures via 300 VDC intermediate bus

SPM3E2KS442 Characteristics / Specifications

PARAMETER	VALUE
Model	SPM3E2KS442
Instrument Type	modular AC DC power supply
Output Voltage	28 V
Output Current	27 A
Output Power	756 W
Series Family	Power-One SPM3
Manufacturer	Bel Fuse / Power-One
Input Type	AC modular front end
Form Factor	modular hot swap shelf
Output Regulation Class	tightly regulated DC
Protection	OVP OCP OTP class
Cooling	forced air modular shelf
Operating Temperature Class	minus 20 C to 70 C class
Efficiency Class	high efficiency switching
Hold Up Class	AC cycle hold up
Remote Sense	supported on modular outputs
Parallel Operation	current share class
Status Signals	module present fault class
Isolation	reinforced AC to DC isolation
Use Case	28 V industrial rail
Shelf Compatibility	SPM3 modular chassis
Ripple Noise Class	low mV switching ripple
Operating temperature	Class: minus 20 C to 70 C class

SPM3E2KS442 Specifications

PARAMETER	VALUE
Applications	Industrial 28 V system power, telecom and ATE racks needing modular hot-swap supplies.
Key Features	28 V 27 A modular output rating
Technical Specifications	Model: SPM3E2KS442
Notes	28 V / 27 A rating from Bel/Power-One SPM3E2KS442 catalog listing; modular hot-swap behavior from SPM3 family OEM descriptions.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: minus 20 C to 70 C class
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Hold Up Class	AC cycle hold up
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Parallel Operation	current share class
Status Signals	module present fault class
Isolation	reinforced AC to DC isolation
Use Case	28 V industrial rail
Shelf Compatibility	SPM3 modular chassis
Ripple Noise Class	low mV switching ripple Notes 28 V / 27 A rating from Bel/Power-One SPM3E2KS442 catalog listing; modular hot-swap behavior from SPM3 family OEM descriptions.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Notes	
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Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.