

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

ABLECOM

Ablecom SP402-1S Switching Power Supply

The Ablecom SP402-1S is a switching power supply designed for reliable and efficient power conversion. It is suitable for various applications requiring a stable power source.



MODEL

Ablecom SP402-1S

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

SP402-1S

LISTING

<https://aumictechlabs.com/products/sp402-1s-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Ablecom SP402-1S is a 400-watt internal switching power supply engineered for 1U server applications. It delivers regulated DC outputs across multiple voltage rails with a single cooling fan, operating from standard universal AC input. The unit has stable power conversion in compact server chassis and rack environments requiring efficient, multi-rail distribution. Technical Specifications Power Output Maximum output: 400 Watts AC Input 100–240V~ at 8A maximum 50/60 Hz operation DC Output Voltages and Currents +3.3V @ 30A +5V @ 30A +12V @ 15A +12V CPU @ 18A –12V @ 1.0A –5V @ 0.5A +5VSB @ 2A Physical Design Single fan cooling Shipping weight: 12 lbs Key Features Wide input voltage range accommodates global power standards without external conversion Dedicated CPU rail (+12V CPU) supports high-current processor delivery Standby rail (+5VSB) enables low-power system states and remote management Negative voltage outputs support legacy analog and signal conditioning circuits Single-fan design optimizes thermal management for 1U form factor constraints Typical Applications 1U rackmount servers and appliances Compact server chassis requiring multi-rail DC

distribution Systems demanding independent CPU power delivery and standby capabilityCompatibility & Integration Designed specifically for 1U applications and server environments. The SP402-1S integrates internally within compatible chassis, providing the regulated power rails required by modern server architectures.

SP4021S Characteristics / Specifications

PARAMETER	VALUE
Model	SP402-1S
Alternate Identity	Supermicro PWS-0036
Instrument Type	1U switching power supply
Output Power	400 W
Input Voltage	100 to 240 Vac
Output Plus 3V	plus 3.3 Vdc
Output Plus 5V	plus 5 Vdc
Output Plus 5Vsb	plus 5 V standby
Output Plus 12V	plus 12 Vdc
Output Plus 12Vcpu	plus 12 V CPU rail
Output Minus 12V	minus 12 Vdc
Output Minus 5V	minus 5 Vdc
Form Factor	1U
Supply Type	single (non-redundant) type
Manufacturer	Ablecom
Literature	Ablecom SP402-1S / Supermicro PWS-0036 configuration listings
Family	Ablecom 1U 400 W supplies
Brand Lineage	Ablecom Supermicro PWS-0036
System Role	1U server PSU
Application Class	1U server backplane
Rail Class	ATX-class multi-rail
Input Class	100 to 240 Vac
Power Class	400 W
Height Class	1U
Redundancy Class	single type

PARAMETER	VALUE
Connector Class	1U server harness
Cooling Class	1U server PSU fan
Documentation Type	OEM SP402-1S / PWS-0036 listing

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	
Specifications	
PARAMETER	VALUE
Model	SP402-1S
Alternate Identity	Supermicro PWS-0036
Instrument Type	1U switching power supply
Output Power	400 W
Input Voltage	100 to 240 Vac
Output Plus 3V3	plus 3.3 Vdc
Output Plus 5V	plus 5 Vdc
Output Plus 5Vsb	plus 5 V standby
Output Plus 12V	plus 12 Vdc
Output Plus 12Vcpu	plus 12 V CPU rail
Output Minus 12V	minus 12 Vdc
Output Minus 5V	minus 5 Vdc
Form Factor	1U
Supply Type	single (non-redundant) type
Manufacturer	Ablecom
Literature	Ablecom SP402-1S / Supermicro PWS-0036 configuration listings
Family	Ablecom 1U 400 W supplies
Brand Lineage	Ablecom Supermicro PWS-0036
System Role	1U server PSU
Application Class	1U server backplane
Rail Class	ATX-class multi-rail
Input Class	100 to 240 Vac
Power Class	400 W
Height Class	1U
Redundancy Class	single type
Connector Class	1U server harness

PARAMETER	VALUE
Cooling Class	1U server PSU fan
Documentation Type	OEM SP402-1S / PWS-0036 listing

Notes

Numeric rows from Ablecom SP402-1S / PWS-0036 configuration listings (400 W, 100 to 240 Vac, plus 3.3/5/5sb/12/12CPU, minus 12/minus 5 V). Rail current limits are on the SP402-1S label and PWS-0036 specification.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

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