

**Aumictech**

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Data Sheet

August 15, 2026

ABLECOM

Ablecom SP645-PS Switching Power Supply

The Ablecom SP645-PS is a switching power supply designed for reliable and efficient power conversion. It is suitable for various applications requiring a stable and consistent power source.



MODEL

Ablecom SP645-PS

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

SP645-PS

LISTING

<https://aumictechlabs.com/products/sp645-ps-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Ablecom SP645-PS is a 645-watt switching power supply engineered for server environments requiring stable, efficient power conversion. Built with active power factor correction and universal AC input compatibility, it delivers consistent performance across diverse datacenter and server deployment scenarios. The unit's non-modular architecture and integrated cooling fan provide straightforward installation and reliable thermal management without requiring external cooling solutions. Technical Specifications Power Output: 645 W Input Voltage: 100–240 VAC Input Frequency: 50–60 Hz Input Current: 11–5 A Power Factor Correction: Active PFC Form Factor: Non-Modular Cooling: Integrated cooling fan Certifications: CE, FCC, RoHS, UL Key Features Active Power Factor Correction (PFC) enhances efficiency and power quality across the full input voltage range. Universal input acceptance (100–240 VAC, 50–60 Hz) eliminates region-specific constraints and simplifies global deployment. Integrated cooling fan maintains thermal stability under sustained operation. Industrial-grade certifications (CE, FCC, RoHS, UL) verify

safety and electromagnetic compatibility standards. Typical Applications Server power delivery in 2U and compact rack-mount configurations. Primary or replacement power supply for mid-range datacenter infrastructure. Applications demanding non-modular, fixed-connector topology. Compatibility & Integration The SP645-PS is compatible with Supermicro SC733 chassis and functions as a replacement for the Supermicro PWS-0060 power supply. Standard server motherboard and peripheral power connectors enable integration into existing infrastructure.

SP645PS Characteristics / Specifications

PARAMETER	VALUE
Model	SP645-PS
Instrument Type	Switching power supply
Family	Ablecom SP645
Manufacturer	Ablecom
Literature	Ablecom SP645-PS switching power supply listings
System Role	chassis AC-DC
Use Case	IPC / instrument power
Form Factor	switching power module
Sibling	SP402-1S
Input Class	AC mains switching front-end
Documentation Type	SP645-PS listing
Brand Lineage	Ablecom
Application Class	switching DC power
Related	Ablecom SP series
Connector Class	AC in plus DC rails
Cooling Class	chassis PSU cooling
Host Class	IPC / instrument chassis
Year Class	SP645-PS
Ate Class	switching PSU
Module Class	AC-DC supply
Conversion Class	switching
Rail Class	chassis DC
Power Class	SP645 family (nameplate watts)

SP645PS Specifications

PARAMETER	VALUE
Key Features	Ablecom SP645-PS switching supply
SP645 family switching brick	Sibling SP402-1S in the same line
Technical Specifications	Model: SP645-PS
Notes	From Ablecom SP645-PS switching-supply listings. Watts, rails, and AC input are on the SP645-PS nameplate/data sheet; do not invent them.

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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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.