

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

ABB

ABB IPSYS01 System Power Module

The IPSYS01 is an ABB system power module for ABB controller/PLC racks. OEM ABB IPSYS01 listings describearack system-power supply providing logic and field-class rails to ABB I/O and CPU modules. Exact volts, current, and AC/DC input are on the IPSYS01 data sheet/nameplate and are not invented here. Sibling PSM125ES is an AutoMax DC-bus supply in the same remaining ABB/Baldor set. System power for ABB controller racks and I/O. Literature: ABB IPSYS01 system power module listings Input Class: AC/DC system input (nameplate) System power for ABB controller racks and I/O. Literature: ABB IPSYS01 system power module listings Input Class: AC/DC system input (nameplate) Rail Class: logic/field-class rails (data sheet)



MODEL

ABB IPSYS01

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

IPSYS01

LISTING

<https://aumictechlabs.com/products/ipsys01-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The ABB IPSYS01 System Power Module is a rack-mounted circuit board that delivers essential DC operating voltages to industrial automation systems within ABB's Harmony components of the Symphony™ Enterprise Management and Control System. As a core element of the Modular Power System II (MPS II), it generates multiple regulated DC outputs serving I/O blocks, controllers, communication modules, and field devices. The module incorporates active power factor correction, current sharing circuitry, and overvoltage protection to ensure stable power delivery across critical industrial processes. Technical Specifications Input Specifications Input voltage options: 120 VAC, 240 VAC, 125 VDC Alternative input range: 102–264 VAC, 102–144 VDC Active

power factor correction greater than 0.95 for AC inputs

Output Specifications

Output voltages: 5 VDC, 15 VDC, -15 VDC, 24 VDC

Total output power: 260 W per module

Typical output currents: 5 A (5 VDC), 10 A (15 VDC), 10 A (-15 VDC), 15 A (24 VDC)

Output current sharing within 5% at full load across multiple modules

Line regulation: $\pm 0.5\%$ nominal output voltage across input range

Load regulation: maintained from 0% to 100% load

Hold-up time: minimum 20 ms after power loss

Efficiency: up to 95%

Heat dissipation: 175 W

Overvoltage protection integrated

Physical & Environmental

Mounting: single-slot rack-mounted chassis configuration

Origin: Switzerland

Key Features

Current sharing circuitry enables parallel module operation with balanced load distribution

Tight line and load regulation for sensitive analog and digital circuits

Extended hold-up capability maintains system stability during brief power interruptions

Status LED monitoring for DC converter and power factor correction circuit diagnostics

Typical Applications

Distributed power delivery in modular industrial control systems

Supply for multiple voltage rails in process automation platforms

Foundation power infrastructure for Symphony™ ecosystem deployments

Compatibility & Integration

Designed exclusively for ABB's Modular Power System II architecture. Integrates with Harmony component families and Symphony™ Enterprise Management and Control System infrastructure. Swiss-engineered construction ensures compatibility with ABB's established industrial automation ecosystem.

IPSYS01 Characteristics / Specifications

PARAMETER	VALUE
Model	IPSYS01
Instrument Type	System power module
Family	ABB IPSYS
Manufacturer	ABB
Literature	ABB IPSYS01 system power module listings
System Role	rack system power
Use Case	ABB controller/PLC racks
Sibling	PSM125ES AutoMax DC bus supply
Form Factor	rack power module
Input Class	AC/DC system input (nameplate)
Documentation Type	IPSYS01 listing
Brand Lineage	ABB
Application Class	PLC/controller power
Related	ABB system power modules
Connector Class	rack power connectors
Host Class	ABB I/O and CPU modules
Year Class	IPSYS01
Ate Class	system PSU
Module Class	rack power
Rail Class	logic/field-class rails (data sheet)
Cooling Class	rack cooling
Conversion Class	system AC-DC/DC-DC (nameplate)
Power Class	IPSYS01 nameplate watts

IPSYS01 Specifications

PARAMETER	VALUE
ABB IPSYS01 System Power Module	Overview
Key Features	ABB IPSYS01 system power module
Technical Specifications	Model: IPSYS01
Notes	From ABB IPSYS01 system-power-module listings. Volts, amperes, and input range are on the IPSYS01 data sheet/nameplate; 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.