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Data Sheet

August 15, 2026

3Y POWER TECHNOLOGY

3Y Power Technology YM6042A Power Supply

3Y Power Technology YM6042A Switching Power Supply The YM6042A is a 3Y Power Technology switching power supply. OEM 3Y YM6042A listings identify an AC-DC switching module used in industrial and embedded chassis. Exact watts, rails, and efficiency are on the YM6042A nameplate/data sheet and are not invented here. 3Y Power supplies in this class are typically multi-rail ATX/IPC bricks; confirm the faceplate rails before loading. Switching AC-DC for 3Y Power industrial and embedded chassis. Literature: 3Y Power YM6042A switching power supply listings The YM6042A is a 3Y Power Technology switching power supply. OEM 3Y YM6042A listings identify an AC-DC switching module used in industrial and embedded chassis. Exact watts, rails, and efficiency are on the YM6042A nameplate/data sheet and are not invented here. 3Y Power supplies in this class are typically multi-rail ATX/IPC bricks; confirm the faceplate rails before loading. Switching AC-DC for 3Y Power industrial and embedded chassis. Literature: 3Y Power YM6042A switching power supply listings



MODEL

**3Y Power
Technology
YM6042A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

YM6042A

LISTING

<https://aumictechlabs.com/products/ym6042a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The 3Y Power Technology YM6042A is a 420W ATX power supply engineered for PC and industrial systems demanding multi-rail DC distribution. It accepts universal AC input and delivers

six independent output rails through a 20-pin ATX connector, making it suitable for system integrators, laboratories, and enterprise deployments requiring reliable, regulated power across diverse voltage levels.

Technical Specifications

Input Power AC Input: 100-240V~, 50/60Hz, 10A maximum (switching)

DC Output Rails +5V @ 40A +12V @ 15A +3.3V @ 30A +5VSB @ 2.0A -5V @ 0.5A -12V @ 1.0A Combined 5V and 3.3V power: 220W maximum Total output capacity: 420W

Form Factor ATX Power Supply with 20-pin ATX connector plus standard connectors

Key Features

- Six independent voltage rails support mixed-load applications
- Standby output (+5VSB) enables remote power-on capability
- Negative rail outputs (-5V, -12V) accommodate legacy analog circuits and signal conditioning
- 40A capacity on primary +5V rail handles high-current digital loads
- Switching topology delivers efficiency across the 100-240V~ input range

Typical Applications

- PC motherboard and peripheral power distribution
- Industrial embedded systems with multi-voltage requirements
- Laboratory test and measurement benches
- Server and workstation deployments requiring ATX compliance

Compatibility & Integration

The YM6042A's 20-pin ATX connector ensures direct compatibility with standard ATX motherboards and industrial control platforms. Dual negative rails and standby output enable integration with legacy systems alongside modern digital infrastructure.

YM6042A Characteristics / Specifications

PARAMETER	VALUE
Model	YM6042A
Instrument Type	Switching power supply
Family	3Y Power YM
Manufacturer	3Y Power Technology
Literature	3Y Power YM6042A switching power supply listings
System Role	chassis AC-DC
Use Case	industrial/embedded power
Form Factor	switching power module
Input Class	AC mains switching front-end
Documentation Type	YM6042A listing
Brand Lineage	3Y Power Technology
Application Class	switching DC power
Related	3Y YM series
Connector Class	AC in plus DC rails
Cooling Class	chassis PSU cooling
Host Class	IPC / embedded chassis
Year Class	YM6042A
Ate Class	switching PSU
Module Class	AC-DC supply
Conversion Class	switching
Rail Class	chassis DC (faceplate)
Power Class	YM6042A nameplate watts
Form Factor Class	3Y industrial brick

YM6042A Specifications

PARAMETER	VALUE
Applications	Switching AC-DC for 3Y Power industrial and embedded chassis.
Key Features	3Y Power YM6042A switching supply
Technical Specifications	Model: YM6042A
Notes	From 3Y Power Technology YM6042A listings. Watts, rails, and efficiency are on the YM6042A 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.