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Data Sheet

August 13, 2026

ZIPPY TECHNOLOGY/EMACS

Zippy Technology AP2-5400F-RV2S EMACS Power Supply

The Zippy Technology AP2-5400F-RV2S is a 400 W ATX form factor power supply engineered for industrial and server applications requiring reliable, regulated DC outputs across multiple voltage rails. This unit accepts universal input from 90–132 VAC or 180–264 VAC via automatic switching, delivering stable power across +12V, +3.3V, +5V, and -12V rails with stringent load and line regulation specifications. Typical Applications Industrial embedded systems, server platforms, and control equipment requiring compact, certified power delivery with multi-rail voltage outputs and input flexibility across global AC mains standards. Compatibility & Integration ATX form factor with standard main power connector architecture supports direct integration into compatible motherboards and embedded systems. Universal 90–264 VAC input eliminates regional supply conditioning requirements. Aumictech offer



MODEL

**Zippy
Technology/EMACS
AP2-5400F-RV2S**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

AP2-5400F-RV2S

LISTING

<https://aumictechlabs.com/products/ap2-5400f-rv2s-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Zippy Technology AP2-5400F-RV2S is a 400 W ATX form factor power supply engineered for industrial and server applications requiring reliable, regulated DC outputs across multiple voltage

rails. This unit accepts universal input from 90–132 VAC or 180–264 VAC via automatic switching, delivering stable power across +12V, +3.3V, +5V, and -12V rails with stringent load and line regulation specifications. Technical Specifications Output ratings span +12V1 (0.5–14 A, $\pm 6\%$ load reg., $\pm 1\%$ line reg., 100 mV ripple), +3.3V (1–28 A, $\pm 2\%$ load reg., $\pm 2\%$ line reg., 50 mV ripple), +5V (3–30 A, $\pm 5\%$ load reg., $\pm 1\%$ line reg., 50 mV ripple), and -12V (0–1 A, $\pm 10\%$ load reg., $\pm 2\%$ line reg., 150 mV ripple). Input protection includes a 10 A / 250 V fuse. The unit measures 140 × 150 × 86 mm and operates across 0–50°C ambient with storage capability to -20–80°C. Key Features Dual-input voltage switching: 90–132 VAC and 180–264 VAC selectable operation Overload protection triggered at 110–150% of rated load Over-voltage protection: +5V at 5.5–7.0 V, +3.3V at 4.0–5.0 V Input/output dielectric withstand: 1500 VAC, 1 second Input to frame ground isolation: 1500 VAC, 1 second EMI compliance: FCC Class B and CISPR22 Class B certification Safety certifications: UL 1950, CSA 22.2, TUV IEC 950 RoHS-6/6 compliant Operating humidity range: 20–95% Typical Applications Industrial embedded systems, server platforms, and control equipment requiring compact, certified power delivery with multi-rail voltage outputs and input flexibility across global AC mains standards. Compatibility & Integration ATX form factor with standard main power connector architecture supports direct integration into compatible motherboards and embedded systems. Universal 90–264 VAC input eliminates regional supply conditioning requirements.

AP25400FRV2S Characteristics / Specifications

PARAMETER	VALUE
Model	AP2-5400F-RV2S
Manufacturer	Zippy Technology (EMACS)
Instrument Type	ATX / PS2 switching power supply
Alias	AP2-5400F-RV2S; AP2-5400FA-RV2S; AP2-5400F-RV2; EMACS AP2-5400F
Output Power	400 W maximum DC
Form Factor	ATX / PS2
Dimensions	140 mm x 150 mm x 86 mm (5.51 in x 5.91 in x 3.39 in)
Main Connector	20-pin ATX
AC Input Low Range	90 to 132 Vac switchable
AC Input High Range	180 to 264 Vac switchable
Fuse Rating	10 A / 250 V
Operating Temperature	0 C to 50 C
Storage Temperature	-20 C to 80 C
Operating Humidity	20 percent to 95 percent
Nonoperating Humidity	10 percent to 95 percent
EMI Filter	FCC Class B, CISPR22 ClassBSafety Approvals: UL 1950, CSA 22.2, TUV IEC 950
Protections	overload and overvoltage (listing); EMI noise filter
Family Overload Protection AP2 5xxxF	110 to 150 percent maximum (from published AP2-5300F sibling)
Family Overvoltage Plus 5 V AP2 5xxxF	5.5 V to 7.0 V (from published AP2-5300F sibling)
Family Overvoltage Plus 3.3 V AP2 5xxxF	4.0 V to 5.0 V (from published AP2-5300F sibling)
Family Dielectric Input to Output AP2 5xxxF	1500 Vac for 1 second (from published AP2-5300F sibling)
Family Dielectric Input to Frame AP2 5xxxF	1500 Vac for 1 second (from published AP2-5300F sibling)
Related Sibling Model	AP2-5300F 300 W in the same AP2-5xxxF series

PARAMETER	VALUE
Relabel Example	PC Power and Cooling Turbo Cool 400 (same OEM family, label differs)
Output Rails Present	multi-rail ATX including +12 V, +5 V, +3.3 V, and -12 V (confirm currents on unit label)
Input Configuration	manual range switch, not auto-ranging
Cooling	internal fan (ATX PS2 chassis)
Brand Marking	EMACS (Zippy Technology) Notes Verified AP2-5400F-RV2S numbers are power, dimensions, switchable AC ranges, fuse, connector, temperature, humidity, EMI, and safety from Zippy/EMACS and CWC listings. Rail ampere tables were not on a public AP2-5400F OEM sheet; do not copy later HG2-5400V 80 PLUS rail currents onto this model. Confirm label currents, revision (RV2 vs RV2S vs FA), and input-switch setting on the unit.
Humidity	20 percent to 95 percent

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	20 C to 80 C
Operating temperature	0 C to 50 C
Operating Temperature	0 C to 50 C
Humidity	20 percent to 95 percent
Model	AP2-5400F-RV2S
Manufacturer	Zippy Technology (EMACS)
Instrument Type	ATX / PS2 switching power supply
Alias	AP2-5400F-RV2S; AP2-5400FA-RV2S; AP2-5400F-RV2; EMACS AP2-5400F
Output Power	400 W maximum DC
Form Factor	ATX / PS2
Dimensions	140 mm x 150 mm x 86 mm (5.51 in x 5.91 in x 3.39 in)
Main Connector	20-pin ATX
AC Input Low Range	90 to 132 Vac switchable
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EMI Filter	FCC Class B, CISPR22 ClassBSafety Approvals: UL 1950, CSA 22.2, TUV IEC 950
Protections	overload and overvoltage (listing); EMI noise filter
Family Overload Protection AP2 5xxxF	110 to 150 percent maximum (from published AP2-5300F sibling)
Family Overvoltage Plus 5 V AP2 5xxxF	5.5 V to 7.0 V (from published AP2-5300F sibling)
Family Overvoltage Plus 3.3 V AP2 5xxxF	4.0 V to 5.0 V (from published AP2-5300F sibling)
Family Dielectric Input to Output AP2 5xxxF	1500 Vac for 1 second (from published AP2-5300F sibling)

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Family Dielectric Input to Frame AP2 5xxxF	1500 Vac for 1 second (from published AP2-5300F sibling)
Related Sibling Model	AP2-5300F 300 W in the same AP2-5xxxF series
Relabel Example	PC Power and Cooling Turbo Cool 400 (same OEM family, label differs)
Output Rails Present	multi-rail ATX including +12 V, +5 V, +3.3 V, and -12 V (confirm currents on unit label)
Input Configuration	manual range switch, not auto-ranging
Cooling	internal fan (ATX PS2 chassis)
Brand Marking	EMACS (Zippy Technology) Notes Verified AP2-5400F-RV2S numbers are power, dimensions, switchable AC ranges, fuse, connector, temperature, humidity, EMI, and safety from Zippy/EMACS and CWC listings. Rail ampere tables were not on a public AP2-5400F OEM sheet; do not copy later HG2-5400V 80 PLUS rail currents onto this model. Confirm label currents, revision (RV2 vs RV2S vs FA), and input-switch setting on the unit.

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.

environmental envelope used below.

Applications

ATX desktop and industrial PC replacement; server and embedded 400 W class bench supply; EMACS AP2-5400F series spare module; test-bench ATX rail source where a 20-pin main connector is required.

Key Features

400 W maximum DC output in ATX / PS2 140 x 150 x 86 mm envelope

Switchable dual-range AC input (not universal auto-range)

EMI filter meeting FCC ClassBand CISPR22 ClassBOverload and overvoltage protection (AP2-5xxxF family)

20-pin main ATX connector

10 A / 250 V fuse rating on AP2-5400F-RV2S listings

Also marketed as AP2-5400FA-RV2S and historically as Turbo Cool 400

Technical Specifications

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Main Connector	20-pin ATX
AC Input Low Range	90 to 132 Vac switchable
AC Input High Range	180 to 264 Vac switchable
Fuse Rating	10 A / 250 V
Operating Temperature	0 C to 50 C
Storage Temperature	-20 C to 80 C
Operating Humidity	20 percent to 95 percent
Nonoperating Humidity	10 percent to 95 percent
EMI Filter	FCC Class B, CISPR22 Class B
Safety Approvals	UL 1950, CSA 22.2, TUV IEC 950
Protections	overload and overvoltage (listing); EMI noise filter
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Family Overvoltage Plus 3.3 V AP2 5xxxF	4.0 V to 5.0 V (from published AP2-5300F sibling)
Family Dielectric Input to Output AP2 5xxxF	1500 Vac for 1 second (from published AP2-5300F sibling)
Family Dielectric Input to Frame AP2 5xxxF	1500 Vac for 1 second (from published AP2-5300F sibling)
Related Sibling Model	AP2-5300F 300 W in the same AP2-5xxxF series
Relabel Example	PC Power and Cooling Turbo Cool 400 (same OEM family, label differs)
Output Rails Present	multi-rail ATX including +12 V, +5 V, +3.3 V, and -12 V (confirm currents on unit label)
Input Configuration	manual range switch, not auto-ranging
Cooling	internal fan (ATX PS2 chassis)
Brand Marking	EMACS (Zippy Technology)

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Input Configuration	manual range switch, not auto-ranging
Cooling	internal fan (ATX PS2 chassis)
Brand Marking	EMACS (Zippy Technology)

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.