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Data Sheet

August 15, 2026

ADVANCED POWER SOLUTIONS

Advanced Power Solutions RP1150-24C 150 Watt Single Output Industrial Switcher

The Advanced Power Solutions RP1150-24C is a 150W single output industrial switcher designed for reliable power in demanding applications. It features a compact design and is ideal for industrial control systems, automation equipment, and other applications requiring stable 24V power.



MODEL

Advanced Power Solutions RP1150-24C

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

RP1150-24C

LISTING

<https://aumictechlabs.com/products/rp1150-24c-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Advanced Power Solutions RP1150-24C is a 150 W single-output industrial switching power supply engineered for demanding operational environments. It delivers regulated 24 V at 6.25 A through a convection-cooled, ruggedized enclosure. The unit accepts universal AC input (85–264 VAC, 47–63 Hz) or DC input (127–280 VDC), making it adaptable across global power infrastructure. Tight line and load regulation of $\pm 1\%$, combined with $\pm 1\%$ typical ripple and noise, ensures stable 24 V delivery to industrial control and automation equipment. Technical Specifications Electrical Performance Output: +24 V at 6.25 A (150 W) Input: 85–264 VAC or 127–280 VDC; 47–63 Hz Line Regulation: $\pm 1\%$ maximum Load Regulation: $\pm 1\%$ typical Ripple & Noise:

±1% typical peak-to-peak @ 20 MHz Efficiency: Up to 80% Hold-Up Time: 16 ms @ 110 VAC minimum Leakage Current: <750 µA @ 230 VAC Protection & Control Overload Protection: 105–120% max. power (latch) Overvoltage Protection: 115–140% (latch) Output Voltage Adjustment: ±10% Inrush Current: 20 A @ 115 VAC / 40 A max @ 230 VAC (cold start) Typical Input Current: 4 A @ 115 VAC / 2 A @ 230 VAC Environmental & Physical Operating Temperature: 0–50°C full load; derate 2.5% per °C above 50°C to 70°C maximum Storage Temperature: -40°C to +85°C Temperature Coefficient: 0.04% per °C Dimensions: 7.48 × 4.17 × 1.73 inches Cooling: Convection cooled

Key Features Ruggedized enclosure rated for harsh industrial environments Wide universal AC/DC input acceptance Compact single-output architecture Adjustable output voltage for system integration flexibility UL/cUL60950, EN60950, and CE Mark (LVD) certified EN55022 / FCC Class B emissions compliance RoHS-compliant versions available (indicated by "-LF" suffix)

Typical Applications Industrial control systems and PLC power Factory automation equipment Building management systems Process monitoring and instrumentation Distributed 24 V rail conditioning

Compatibility & Integration The RP1150-24C integrates into systems requiring single 24 V rails with tight regulation. Its wide input voltage acceptance eliminates the need for multiple SKUs across different geographic regions. Output voltage adjustment capability supports legacy system integration and field calibration requirements.

RP115024C Characteristics / Specifications

PARAMETER	VALUE
Model	RP1150-24C
Instrument Type	150 W single output industrial switching power supply
Family	Advanced Power Solutions / Reign Power RP1150
Output Voltage	+24 V plus or minus 10 percent
Output Current	0 A min, 6.25 A rated and max
Output Power	150 W
Ripple Noise	150 mV p-p (20 MHz, 0.1 uF plus 47 uF method)
Line Regulation	plus or minus 1 percent, low line to high line at rated load
Load Regulation	plus or minus 1 percent, 20 to 100 percent rated load at 220 VAC
Efficiency	77 percent minimum at rated load and 220 VAC
Ovp Trip	27.6 V to 31 V
Input Voltage	90 to 264 VAC or 127 to 380 VDC
Input Frequency	47 to 63 Hz
Input Current	1.88 A / 20 A inrush at 110 VAC; 0.93 A / 40 A at 220 VAC (25 C)
Power Factor	95 percent minimum
Hold Up Time	16 ms at rated load and 220 VAC
Cooling	convection
Dimensions	190 × 106 × 51 mm (CS150 case)
Mass	780 g
Operating Temperature	minus 15 C to 50 C ambient
Storage Temperature	minus 20 C to 85 C ambient
Humidity	20 to 90 percent RH non-condensing
Vibration	2 G, 10 to 500 Hz, 3 axes
Safety	UL/cUL 60950; LVD EN 62368-1
Manufacturer	Advanced Power Solutions (Reign Power)

PARAMETER	VALUE
Literature	RP1150 series datasheet RP1150-24C row

RP115024C Specifications

PARAMETER	VALUE
Applications	Harsh-environment 24 V / 6.25 A convection industrial DC from universal AC or high-voltage DC.
Key Features	24 V / 6.25 A, 150 W convection
Technical Specifications	Model: RP1150-24C

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 20 C to 85 C ambient
Operating temperature	minus 15 C to 50 C ambient
Operating Temperature	minus 15 C to 50 C ambient
Humidity	20 to 90 percent RH non-condensing
Vibration	2 G, 10 to 500 Hz, 3 axes
Safety	UL/cUL 60950; LVD EN 62368-1
Manufacturer	Advanced Power Solutions (Reign Power)
Literature	RP1150 series datasheet RP1150-24C row Notes From RP1150 series datasheet RP1150-24C row and family input/mechanical block. Artisan 85-264 VAC / 127-280 VDC wording isareseller overlay on the same 24 V 6.25 A rating.

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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Storage Temperature	minus 20 C to 85 C ambient
Humidity	20 to 90 percent RH non-condensing
Vibration	2 G, 10 to 500 Hz, 3 axes
Safety	UL/cUL 60950; LVD EN 62368-1
Manufacturer	Advanced Power Solutions (Reign Power)
Literature	RP1150 series datasheet RP1150-24C row

Notes

From RP1150 series datasheet RP1150-24C row and family input/mechanical block. Artisan 85-264 VAC / 127-280 VDC wording isareseller overlay on the same 24 V 6.25 A rating.

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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NIST-traceable calibration · SAM registered ·
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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.