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Data Sheet

August 15, 2026

EMERSON / ARTESYN / ASTEC

Emerson / Artesyn / Astec LPS155 150W Single Output Switching Power Supply

Artesyn Emerson LPS155 24 V Single Output Switching Power Supply 110 to 150 W The Artesyn (Emerson Network Power / Astec) LPS155 is the 24 V member of the LPS150 series open-frame AC-DC supplies. OEM LPS150 series datasheets rate auto-ranging AC 85 to 132 V or 170 to 264 V (and 220 to 300 Vdc), 110 W convection or 150 W with 30 CFM forced air, plus or minus 5 percent output adjustment, remote sense, remote inhibit, and power-fail logic. Embedded industrial controllers, ATE fixtures, and OEM equipment needing a compact 24 V brick with remote sense and current share. The Artesyn (Emerson Network Power / Astec) LPS155 is the 24 V member of the LPS150 series open-frame AC-DC supplies. OEM LPS150 series datasheets rate auto-ranging AC 85 to 132 V or 170 to 264 V (and 220 to 300 Vdc), 110 W convection or 150 W with 30 CFM forced air, plus or minus 5 percent output adjustment, remote sense, remote inhibit, and power-fail logic. Embedded industrial controllers, ATE fixtures, and OEM equipment needing a compact 24 V brick with remote sense and current share. Auto-ranging AC input with DC input capability



MODEL

**Emerson / Artesyn
/ Astec LPS155**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

LPS155

LISTING

<https://aumictechlabs.com/products/lps155-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Emerson/Artesyn/Astec LPS155 is a 150W single-output switching power supply designed for diverse electronic applications requiring stable DC conversion from AC mains. This compact unit efficiently converts AC input to regulated DC output, delivering clean power to systems demanding reliable performance with integrated protection mechanisms.

Technical Specifications

Electrical Input voltage range: 85–264 VAC Input frequency: 47–63 Hz Output voltage: Standard DC options (5V, 12V, 24V, 48V available) Output current: Varies with output voltage; 150W maximum power Efficiency: High-efficiency design with model-dependent ratings Power factor correction: Active or passive PFC per model Isolation: Input-to-output and input-to-ground per safety standards Hold-up time: Adequate for transient AC interruptions Output ripple and noise: Low-noise design for sensitive loads Environmental Operating temperature: –10°C to +50°C (derating applies above +50°C) Storage temperature: Industrial range Humidity: Non-condensing environment

Key Features Over-voltage protection (OVP) shields connected loads Over-current protection (OCP) limits maximum draw Short-circuit protection (SCP) prevents fault propagation Over-temperature protection (OTP) ensures thermal safety Input isolation via standard IEC C14 connector DC output via screw terminal blocks Remote ON/OFF and power-good signal options on select configurations

Typical Applications Industrial control systems Telecommunications equipment Laboratory and test instrumentation Embedded computing platforms Medical device power delivery

Compatibility & Integration UL, TUV, and CE safety certifications apply. EMC compliance addresses FCC and CE electromagnetic compatibility requirements. Standard connectors and screw terminals enable direct integration into OEM enclosures and distribution systems.

LPS155 Characteristics / Specifications

PARAMETER	VALUE
Model	LPS155
Series	LPS150
Instrument Type	Single output AC-DC switching power supply
Output Voltage Nominal	24 V (adjustable toward 28 V)
Minimum Load	0 A
Maximum Load Convection	4.5 A
Maximum Load 30 Cfm Forced Air	6.2 A
Peak Load	7.2 A lasting less than 30 s at 10 percent maximum duty
Regulation	plus or minus 2 percent at 25 C including initial tolerance line and load
Ripple Noise Pard	280 mV p-p maximum 20 MHz bandwidth
Input Voltage Ac	85 to 132 Vac or 170 to 264 Vac automatically selected
Input Voltage Dc	220 to 300 Vdc
Input Frequency	47 to 63 Hz
Inrush Current	38 A maximum cold start at 25 C
Efficiency Typical	75 percent at full load
Safety Ground Leakage	less than 0.5 mA at 50/60 Hz 264 Vac
Maximum Power Convection	110 W (75 W with cover)
Maximum Power Forced Air	150 W with 30 CFM (130 W with cover)
Adjustment Range	plus or minus 5 percent minimum
Hold Up Time	20 ms at 110 W load 115/230 Vac nominal
Overload Protection	case overload 110 to 145 percent above peak rating
Overvoltage Protection Other Outputs	10 to 25 percent above nominal
Switching Frequency	135 kHz
Operating Temperature	0 to 50 C ambient derate 2.5 percent perCfrom 50 to 70 C
Storage Temperature	-40 to plus 85 C

PARAMETER	VALUE
Temperature Coefficient	plus or minus 0.04 percent perCHumidity Operating: 5 to 95 percent non-condensing
Vibration	0.75 G peak 5 Hz to 500 Hz operational
Mtbf Demonstrated	greater than 550000 hours at full load 25 C
Dimensions LxWxH	8.50 × 4.25 × 1.50 inches (216.0 x 108.0 x 38.1 mm)
Mass	1.75 lb / 0.80 kg
Remote Inhibit Drive	external 5 V at 10 mA to activate
Emi Filter	FCC ClassBCISPR 22 ClassBEN55022 ClassBconducted
Bandwidth	Input Voltage Ac: 85 to 132 Vac or 170 to 264 Vac automatically selected
Humidity	Operating: 5 to 95 percent non-condensing

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	40 to plus 85 C
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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.

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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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NIST-traceable calibration · SAM registered ·
30-day returns
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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.