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Data Sheet

August 15, 2026

EMERSON / ARTESYN / ASTEC

Emerson / Artesyn / Astec LPS152 150W Single Output Switching Power Supply

Artesyn Emerson LPS152 5 V Single Output Switching Power Supply 110 to 150 W The Artesyn (Emerson Network Power / Astec) LPS152 is the 5 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 controllers, telecom and industrial electronics needing a compact 5 V brick with remote sense and current share. The Artesyn (Emerson Network Power / Astec) LPS152 is the 5 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 controllers, telecom and industrial electronics needing a compact 5 V brick with remote sense and current share. Auto-ranging AC input with DC input capability



MODEL

**Emerson / Artesyn
/ Astec LPS152**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

LPS152

LISTING

<https://aumictechlabs.com/products/lps152-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Emerson / Artesyn / Astec LPS152 is a 150 W single output switching power supply engineered for industrial applications requiring compact form factor and high efficiency. This unit delivers auto-ranging input selection, remote sense compensation, and remote inhibit control for flexible system integration across diverse voltage environments. Technical Specifications Power & Electrical Performance Rated output: 150 W (forced air cooling), 110 W (convection cooling) Input voltage: 85–132 VAC or 170–264 VAC (auto-selectable), 220–300 VDC Input frequency: 47–63 Hz Output options: 5 V @ 22 A or 12 V @ 9.1 A Efficiency: 75% typical at full load Hold-up time: 20 ms at 110 W load, nominal line Inrush current: 38 A maximum, cold start at 25°C Safety leakage: 0.5 mA at 50/60 Hz, 264 VAC input Physical & Environmental Dimensions: 216.0 mm L × 108.0 mm W × 38.1 mm H Mounting: Chassis mount, enclosed design Operating temperature: 0°C to 70°C with derating Key Features Auto-ranging input automatically switches between 85–132 VAC and 170–264 VAC supplies Remote sense enables voltage drop compensation across output leads Remote inhibit has external enable/disable control Short-circuit protection on all outputs; case overload protected Overvoltage protection on main output EMI filtering meets FCC Class B, CISPR 22 Class B, EN55022 Class B, VDE 0878 PT3 Class B Typical Applications Industrial control systems, instrumentation, telecommunications equipment, and embedded computing platforms where space constraints and power efficiency are critical design factors. Compatibility & Integration Certified to CB, CE, VDE 0805/EN60950, UL1950, and CSA 22.2-234 Level 3 standards. Accepts both single-phase 85–264 VAC or DC input 220–300 VDC, making deployment flexible across international and specialized power infrastructures.

LPS152 Characteristics / Specifications

PARAMETER	VALUE
Model	LPS152
Series	LPS150
Instrument Type	Single output AC-DC switching power supply
Output Voltage Nominal	5 V
Minimum Load	0 A
Maximum Load Convection	22 A
Maximum Load 30 Cfm Forced Air	30 A
Peak Load	35 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	50 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 5 V Output	5.7 to 6.7 VDC
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

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Storage temperature	40 to plus 85 C
Operating temperature	0 to 50 C ambient derate 2.5 percent perCfrom 50 to 70 C
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Emi Filter	FCC ClassBCISPR 22 ClassBEN55022 ClassBconducted Notes From Astec/Artesyn LPS150 series datasheet ordering row LPS152 and common LPS150 electrical/environmental tables. Cover option usesCsuffix with reduced convection/forced-air ratings.

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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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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<https://aumictechlabs.com>

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.