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**Data Sheet**

August 15, 2026

EMERSON / ARTESYN / ASTEC

# Emerson / Artesyn / Astec LPS254-C Power Supply

The Emerson/Artesyn/Astec LPS254-C is a reliable power supply designed for various electronic applications. It features a compact design and delivers efficient power conversion. With its solid construction and compliance with safety standards, it ensures stable and safe operation for connected devices.

**MODEL****Emerson / Artesyn  
/ Astec LPS254-C****CALIBRATION****Available on  
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****LPS254-C****LISTING**<https://aumictechlabs.com/products/lps254-c-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

## This unit

The Emerson/Artesyn/Astec LPS254-C is a 250 W enclosed switching power supply engineered for industrial applications requiring reliable, regulated DC output. This single-output unit delivers 15 VDC at 16.7 A and accommodates universal AC input from 85 VAC to 264 VAC or DC input from 120 VDC to 300 VDC across a 47 Hz to 440 Hz frequency range. Active power factor correction (>0.90) ensures efficient mains utilization and reduces harmonics to meet EN61000-3-2 compliance. Technical Specifications Power Rating: 250 W Output: 15 VDC, 16.7 A (single channel) Input Voltage: 85–264 VAC or 120–300 VDC Input Frequency: 47–440 Hz Efficiency: 75% Power Factor Correction: Active (>0.90) Inrush Current: 35 A maximum @ 115 VAC Output Ripple: Low Operating Temperature: 0–70°C (with derating) Storage Temperature: –40 to +85°C Physical: 262

mm L × 127 mm W × 50.8 mm H; 2.624 lbs; chassis mount

**Key Features** Adjustable output voltage  
DC input capable for dual-source applications  
Single-wire current sharing for load distribution  
Remote on/off, remote sense, and remote inhibit control  
Standby output and power-good signaling  
Overvoltage protection (latch mode; re-power to recover)  
Overload protection (current foldforward then hiccup)  
Short-circuit protection (hiccup mode, non-latching, auto-recovery)

**Typical Applications** Industrial equipment, telecom infrastructure, and distributed power architectures where solid supply redundancy and remote control are required.

**Compatibility & Integration** VDE, UL Recognised, CSA Certified, NEMKO, BABT, and CB approvals. Compliant with VDE 0805/EN60950 (IEC950), UL1950, CSA 22.2-234 Level 5, and EN61000-3-2. ECCN classification: EAR99.

## LPS254C Characteristics / Specifications

| PARAMETER                            | VALUE                                                                     |
|--------------------------------------|---------------------------------------------------------------------------|
| Model                                | LPS254-C                                                                  |
| Series                               | LPS250                                                                    |
| Instrument Type                      | Single output AC-DC switching power supply with cover                     |
| Output Voltage Nominal               | 15 V adjustable 12 to 24 V                                                |
| Minimum Load                         | 0.50 A                                                                    |
| Maximum Load 30 Cfm Forced Air       | 16.7 A                                                                    |
| Peak Load                            | 20 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                    | 150 mV p-p maximum 20 MHz bandwidth                                       |
| Input Voltage Ac                     | 85 to 264 Vac                                                             |
| Input Voltage Dc                     | 120 to 300 Vdc                                                            |
| Input Frequency                      | 47 to 440 Hz                                                              |
| Inrush Current                       | 20 A maximum cold start at 25 C                                           |
| Efficiency Typical                   | 75 percent at full load                                                   |
| Power Factor Typical                 | 0.99                                                                      |
| Safety Ground Leakage                | less than 0.5 mA at 50/60 Hz 264 Vac                                      |
| Maximum Power With Cover             | 250 W with 30 CFM forced air                                              |
| Hold Up Time                         | 20 ms at 250 W load 115 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                  | 120 kHz                                                                   |
| Supervisory Output 5 V               | 100 mA regulated                                                          |
| Supervisory Output 12 V              | 500 mA                                                                    |
| 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                 | 0.7 G peak 5 Hz to 500 Hz operational                                             |
| Mtbf Demonstrated         | greater than 550000 hours at full load 25 C                                       |
| Dimensions Footprint      | 9.0 x 5.0 inches class LPS250 chassis per OEM drawing                             |
| Mass                      | 2.6 lb / 1.19 kg                                                                  |
| Remote Sense Compensation | 0.5 V lead drop minimum                                                           |
| Emi Filter                | FCC ClassBCISPR 22 ClassBEN55022 ClassBconducted and radiated                     |
| Bandwidth                 | Input Voltage Ac: 85 to 264 Vac                                                   |
| 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.

| 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](mailto: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.