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Data Sheet

August 15, 2026

EMERSON / ARTESYN / ASTEC

Emerson / Artesyn / Astec LPS63 Power Supply

Artesyn Emerson LPS63 12 V Single Output Switching Power Supply 60 to 80 W The Artesyn LPS63 is the 12 V member of the LPS60 series open-frame AC-DC supplies. OEM LPS63 datasheet tables rate 85 to 264 Vac or 120 to 300 Vdc input, 5 A convection / 6.7 A with 30 CFM / 7.5 A peak, plus or minus 2 percent regulation, and 120 mV p-p ripple. Embedded 12 V system rails, industrial controllers, and OEM equipment needing a compact universal-input brick with remote sense. Remote sense with reverse-connection protection The Artesyn LPS63 is the 12 V member of the LPS60 series open-frame AC-DC supplies. OEM LPS63 datasheet tables rate 85 to 264 Vac or 120 to 300 Vdc input, 5 A convection / 6.7 A with 30 CFM / 7.5 A peak, plus or minus 2 percent regulation, and 120 mV p-p ripple. Embedded 12 V system rails, industrial controllers, and OEM equipment needing a compact universal-input brick with remote sense. Remote sense with reverse-connection protection 70 percent typical efficiency at full load



MODEL

**Emerson / Artesyn
/ Astec LPS63**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

LPS63

LISTING

**[https://aumictechlabs.c
om/products/lps63-2/](https://aumictechlabs.com/products/lps63-2/)**

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Emerson/Artesyn/Astec LPS63 is a 60W open-frame AC/DC power supply engineered for embedded system integration across industrial and commercial applications. It delivers regulated 12 VDC at 5 A output from a universal AC/DC input, with configurable power levels up to 80 W under forced-air cooling. This compact chassis-mount unit measures 127 mm × 76.2 mm × 42.9

mm and combines wide input acceptance (85–264 VAC, 120–300 VDC, 47–440 Hz) with solid protection architecture. Technical Specifications Output: 12 VDC @ 5 A (60 W convection; 80 W @ 30 CFM forced air) Input Range: 85–264 VAC; 120–300 VDC; 47–440 Hz Efficiency: 70% typical at full load Switching Frequency: 110 kHz Output Regulation: $\pm 5\%$ to $+10\%$ Hold-up Time: 20 ms @ 60 W load, 115 VAC nominal Inrush Current: <18 A peak @ 115 VAC; <36 A peak @ 230 VAC (cold start, 25°C) Input Current: 1.5 A RMS maximum @ 115 VAC Leakage Current: <75 μ A @ 50/60 Hz, 264 VAC input Temperature Coefficient: $\pm 0.04\%$ per °C Operating Temperature: 0°C to 50°C ambient; to 70°C with derating Startup Temperature: -20°C Storage Temperature: -40°C to $+85^\circ\text{C}$ Humidity: 5% to 95% RH (non-condensing) Key Features Overload protection at 110–145% above peak rating; short-circuit and reverse-connection protected Remote sense capability compensates for ≥ 0.5 V lead drop; operates standalone without remote sense EMI compliance: FCC Class A, CISPR22 Class A, EN55022 Class A, VDE0878 PT3 Class A Safety certifications: VDE, UL Recognized, CSA Certified, NEMKO, BABT; meets EN 60950-1 and IEC950 Electromagnetic susceptibility designed to IEC61000-4-2, -4-3, -4-4, -4-5, -4-6 Level 3 Operational vibration: 0.75 G peak, 5 Hz–500 Hz RoHS compliant Typical Applications IT commercial equipment, industrial control systems, and distributed embedded platforms requiring compact, thermally efficient single-rail 12 VDC regulation with universal mains input acceptance. Compatibility & Integration AC input connectors: Molex 09-50-8031 (USA), 09-91-0300 (UK). Footprint: 3" $\times$ 5" (76.2 mm $\times$ 127 mm). Weight: 0.21 lbs.

Features & description

From manufacturer datasheet

Built-in EMI filter ClassBconducted

Overvoltage and overload protection Technical Specifications Model: LPS63 Series: LPS60 Instrument Type: Single output AC-DC switching power supply Output Voltage Nominal: 12 V Minimum Load: 0 A Maximum Load Convection: 5 A Maximum Load 30 Cfm Forced Air: 6.7 A Peak Load: 7.5 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: 120 mV p-p 20 MHz bandwidth with 10 uF and 0.1 uF Input Voltage Ac: 85 to 264 Vac wide range Input Voltage Dc: 120 to 300 Vdc Input Frequency: 47 to 440 Hz Inrush Current At 115 Vac: less than 18 A peak cold start 25 C Inrush Current At 230 Vac: less than 36 A peak cold start 25 C Input Current: 1.5 A maximum RMS at 115 Vac Efficiency Typical: 70 percent at full load Maximum Power Convection: 60 W Maximum Power Forced Air: 80 W with 30 CFM Adjustment Range: -5 to plus 10 percent minimum Hold Up Time: 20 ms at 60 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 Remote Sense Lead Drop: 0.5 V minimum compensation Emi Filter: FCC ClassBCISPR 22 ClassBEN55022 ClassBconducted

LPS63 Characteristics / Specifications

PARAMETER	VALUE
Model	LPS63
Series	LPS60
Instrument Type	Single output AC-DC switching power supply
Output Voltage Nominal	12 V
Minimum Load	0 A
Maximum Load Convection	5 A
Maximum Load 30 Cfm Forced Air	6.7 A
Peak Load	7.5 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	120 mV p-p 20 MHz bandwidth with 10 uF and 0.1 uF
Input Voltage Ac	85 to 264 Vac wide range
Input Voltage Dc	120 to 300 Vdc
Input Frequency	47 to 440 Hz
Inrush Current At 115 Vac	less than 18 A peak cold start 25 C
Inrush Current At 230 Vac	less than 36 A peak cold start 25 C
Input Current	1.5 A maximum RMS at 115 Vac
Efficiency Typical	70 percent at full load
Maximum Power Convection	60 W
Maximum Power Forced Air	80 W with 30 CFM
Adjustment Range	-5 to plus 10 percent minimum
Hold Up Time	20 ms at 60 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
Remote Sense Lead Drop	0.5 V minimum compensation
Emi Filter	FCC ClassBCISPR 22 ClassBEN55022 ClassBconducted

PARAMETER	VALUE
Bandwidth	with 10 uF and 0.1 uF

LPS63 Specifications

PARAMETER	VALUE
Applications	Embedded 12 V system rails, industrial controllers, and OEM equipment needing a compact universal-input brick with remote sense.
Technical Specifications	Model: LPS63
Notes	From Artesyn/Astec LPS63 datasheet ordering row and common LPS60 electrical specifications. Peak-load duration and duty per OEM footnote.

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	
Specifications	
PARAMETER	VALUE
Model	LPS63
Series	LPS60
Instrument Type	Single output AC-DC switching power supply
Output Voltage Nominal	12 V
Minimum Load	0 A
Maximum Load Convection	5 A
Maximum Load 30 Cfm Forced Air	6.7 A
Peak Load	7.5 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	120 mV p-p 20 MHz bandwidth with 10 uF and 0.1 uF
Input Voltage Ac	85 to 264 Vac wide range
Input Voltage Dc	120 to 300 Vdc
Input Frequency	47 to 440 Hz
Inrush Current At 115 Vac	less than 18 A peak cold start 25 C
Inrush Current At 230 Vac	less than 36 A peak cold start 25 C
Input Current	1.5 A maximum RMS at 115 Vac
Efficiency Typical	70 percent at full load
Maximum Power Convection	60 W
Maximum Power Forced Air	80 W with 30 CFM
Adjustment Range	-5 to plus 10 percent minimum
Hold Up Time	20 ms at 60 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
Remote Sense Lead Drop	0.5 V minimum compensation
Emi Filter	FCC ClassBCISPR 22 ClassBEN55022 ClassBconducted

Notes

From Artesyn/Astec LPS63 datasheet ordering row and common LPS60 electrical specifications. Peak-load duration and duty per OEM footnote.

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.