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Data Sheet

August 15, 2026

EMERSON / ARTESYN / ASTEC

Emerson / Artesyn / Astec LPT42 Power Supply

Artesyn LPT42 40 W Triple Output AC-DC Power Supply The Artesyn LPT42 is an LPT40 Series open-frame triple-output AC-DC power supply providing +5 V, +12 V, and -12 V rails. OEM LPT40 tables list universal 85-264 VAC or 120-300 VDC input, up to 40 W with free-air convection and up to 55 W with 30 CFM forced air, with remote sense on the main output and short-circuit protection on all outputs. Single-board computers, telecom/networking boards, and embedded systems needing compact triple-output open-frame power. The Artesyn LPT42 is an LPT40 Series open-frame triple-output AC-DC power supply providing +5 V, +12 V, and -12 V rails. OEM LPT40 tables list universal 85-264 VAC or 120-300 VDC input, up to 40 W with free-air convection and up to 55 W with 30 CFM forced air, with remote sense on the main output and short-circuit protection on all outputs. Single-board computers, telecom/networking boards, and embedded systems needing compact triple-output open-frame power.

Manufacturer Line: Artesyn Embedded Power



MODEL

**Emerson / Artesyn
/ Astec LPT42**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

LPT42

LISTING

<https://aumictechlabs.com/products/lpt42-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Emerson/Artesyn/Astec LPT42 is a 40W open-frame AC-DC power supply engineered for ITE and medical applications requiring compact, reliable multi-output regulation. Operating from universal input (85–264 VAC or 120–300 VDC, 47–440 Hz), it delivers triple outputs: +5V @ 4A, +12V @ 2A, and -12V @ 0.5A under convection cooling; output capacity increases to 55W with 30

CFM forced air cooling. The unit occupies just 5.00" × 3.00" × 1.14" (less than 1U height) and weighs approximately 8 oz, fitting space-constrained chassis designs. Technical Specifications Input Specification: 85–264 VAC or 120–300 VDC, 47–440 Hz Output Voltages: +5V, +12V, –12V (triple output configuration) Output Current (Convection): +5V @ 4A, +12V @ 2A, –12V @ 0.5A Output Current (30 CFM Forced Air): +5V @ 5A, +12V @ 2.5A, –12V @ 0.7A Total Power Rating: 40W (convection), 55W (forced air) Efficiency: 70% Cross Regulation: ±2% on +5V output; ±5% on +12V and –12V outputs Main Output Adjustment Range: –5% to +10% Hold-up Time: 20 ms @ 40W load, 115 VAC nominal Overvoltage Protection: 5.7–6.7 VDC on main output Overload Protection: Short-circuit protection on all outputs; case overload protection 110–145% above peak rating Remote Sense: Compensates for 0.5V lead drop minimum; operates without remote sense connected Reverse Connection Protection: Yes Operating Temperature: 0–50°C ambient (2.5% derating per °C from 50–70°C) Start-up Temperature: –20°C Storage Temperature: –40–85°C Humidity: 5–95% non-condensing Vibration: 0.75G peak, 5 Hz–500 Hz operational (three orthogonal axes, 1 oct/min sweep, 5 min dwell at resonances) EMI Susceptibility: IEC 801 Levels 2, 3, 4, 5, 6 compliant (Level 3) Key Features Compact 3" × 5" footprint, sub-1U height Universal AC or DC input acceptance Adjustable main output with remote sense capability Short-circuit and overload protection across all rails Reverse polarity protection Typical Applications Commercial information technology equipment (ITE) Medical device power Space-limited embedded systems Compatibility & Integration Connectors: Molex 09-50-8031 (USA) or 09-91-0300 (UK) AC input; Molex 09-50-806 DC output Certifications: CB, CE, UL2601, CSA 22.2 No. 601.1 Mounting: Chassis mount

LPT42 Characteristics / Specifications

PARAMETER	VALUE
Model	LPT42
Series Family	LPT40
Manufacturer Line	Artesyn Embedded Power
Output 1 Voltage	+5 V
Output 1 Current Convection	6 A class (0.5 A minimum)
Output 1 Current Forced Air Class	8 A class
Output 1 Peak Class	9 A class
Output 1 Regulation	+/-2%
Output 1 Ripple	50 mV
Output 2 Voltage	+12 V
Output 2 Current Convection	2 A class (0.2 A minimum)
Output 2 Current Forced Air Class	2.5 A class
Output 2 Peak Class	4 A class
Output 2 Regulation	+/-5%
Output 2 Ripple	120 mV
Output 3 Voltage	-12 V
Output 3 Current Convection	0.5 A class
Output 3 Peak Class	1 A class
Output 3 Regulation	+/-5%
Output 3 Ripple	120 mV
Input Voltage Ac	85 to 264 VAC
Input Voltage Dc	120 to 300 VDC
Total Power Convection	40 W
Total Power Forced Air 30 Cfm	55 W
Chassis Form	Open-frame AC-DC less than 1U

LPT42 Specifications

PARAMETER	VALUE
Key Features	Triple output +5/+12/-12 V
Universal AC or DC input	Up to 55 W with forced air
Remote sense on main output	Less than 1U height open frame
Technical Specifications	Model: LPT42

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	LPT42
Series Family	LPT40
Manufacturer Line	Artesyn Embedded Power
Output 1 Voltage	+5 V
Output 1 Current Convection	6 A class (0.5 A minimum)
Output 1 Current Forced Air Class	8 A class
Output 1 Peak Class	9 A class
Output 1 Regulation	+/-2%
Output 1 Ripple	50 mV
Output 2 Voltage	+12 V
Output 2 Current Convection	2 A class (0.2 A minimum)
Output 2 Current Forced Air Class	2.5 A class
Output 2 Peak Class	4 A class
Output 2 Regulation	+/-5%
Output 2 Ripple	120 mV
Output 3 Voltage	-12 V
Output 3 Current Convection	0.5 A class
Output 3 Peak Class	1 A class
Output 3 Regulation	+/-5%
Output 3 Ripple	120 mV
Input Voltage Ac	85 to 264 VAC
Input Voltage Dc	120 to 300 VDC
Total Power Convection	40 W
Total Power Forced Air 30 Cfm	55 W
Chassis Form	Open-frame AC-DC less than 1U

Notes

From Artesyn LPT40 Series / LPT42 documentation. Minimum loads are required on specified outputs; peak currents are duty-cycle limited per the sheet.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<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.