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Data Sheet

August 15, 2026

EMERSON / ARTESYN / ASTEC

Emerson / Artesyn / Astec LPT43 Power Supply

Artesyn Emerson LPT43 Triple Output Switching Power Supply 40 to 55 W The Artesyn LPT43 is the 5 V / +12 V / -12 V member of the LPT40 open-frame series. OEM LPT40 datasheet rates 40 W convection or 55 W with 30 CFM, universal 85 to 264 Vac or 120 to 300 Vdc, remote sense on the main, and 70 percent typical efficiency. Compact ITE and embedded systems needing logic 5 V with bipolar 12 V rails under 1U height. Instrument Type: Triple output AC-DC switching power supply The Artesyn LPT43 is the 5 V / +12 V / -12 V member of the LPT40 open-frame series. OEM LPT40 datasheet rates 40 W convection or 55 W with 30 CFM, universal 85 to 264 Vac or 120 to 300 Vdc, remote sense on the main, and 70 percent typical efficiency. Compact ITE and embedded systems needing logic 5 V with bipolar 12 V rails under 1U height. Instrument Type: Triple output AC-DC switching power supply Output 1 Regulation: plus or minus 2 percent



MODEL

**Emerson / Artesyn
/ Astec LPT43**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

LPT43

LISTING

<https://aumictechlabs.com/products/lpt43-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Emerson/Artesyn/Astec LPT43 is a triple-output, open-frame power supply engineered for industrial and commercial applications requiring compact, reliable DC conversion. Operating from universal AC input (85-264 VAC) or DC input (120-300 VDC), the unit delivers 40 W under convection cooling or up to 55 W with 30 CFM forced air. The main +5 V output supplies 8 A with remote sense compensation; auxiliary outputs provide ± 12 V at 700 mA. Active power factor

correction exceeds 0.90, while 70% typical efficiency and integrated EMI filtering minimize power loss and electromagnetic interference. All outputs feature short-circuit and overvoltage protection. The 3" × 5" × 1.1" footprint and sub-1U height accommodate space-constrained installations. Technical Specifications Input: 85-264 VAC, 120-300 VDC; 47-440 Hz; 1 A RMS max @ 115 VAC Inrush Current: <18 A peak @ 115 VAC; 0.90 (active PFC) Key Features Open-frame chassis-mount design; sub-1U height Triple output with independent short-circuit protection on all rails Active inrush limiting; hold-up time for clean shutdown sequencing UL60950, CB Certificate, CE Mark (LVD), RoHS compliant Operating range: -20°C to 70°C (derating to 50% from 60-70°C in convection mode) Storage: -40°C to +85°C Typical Applications Black Box KVM systems, Compaq HUB1063 Series 4220, and distributed power architectures in industrial control and telecommunications equipment. Compatibility & Integration 6-pin output connector; 2-pin AC input connector; remote sense wire on main output for extended cable compensation.

Features & description

From manufacturer datasheet

Built-in ClassBEMI filter

Overvoltage and overload protection Technical Specifications Model: LPT43 Series: LPT40 Instrument Type: Triple output AC-DC switching power supply Output 1 Voltage: 5 V Output 1 Minimum Load: 0.5 A Output 1 Maximum Convection: 6 A Output 1 Maximum Forced Air: 8 A Output 1 Peak: 9 A Output 1 Regulation: plus or minus 2 percent Output 1 Ripple: 50 mV p-p Output 2 Voltage: 12 V Output 2 Minimum Load: 0 A Output 2 Maximum Convection: 0.5 A Output 2 Maximum Forced Air: 0.7 A Output 2 Peak: 1 A Output 2 Regulation: plus or minus 5 percent Output 2 Ripple: 120 mV p-p Output 3 Voltage: -12 V Output 3 Minimum Load: 0 A Output 3 Maximum Convection: 0.5 A Output 3 Maximum Forced Air: 0.7 A Output 3 Peak: 1 A Output 3 Regulation: plus or minus 5 percent Output 3 Ripple: 120 mV p-p Maximum Power Convection: 40 W Maximum Power Forced Air: 55 W with 30 CFM Input Voltage Ac: 85 to 264 Vac Input Voltage Dc: 120 to 300 Vdc Input Frequency: 47 to 440 Hz Inrush Current 115 Vac: less than 18 A peak cold start 25 C Inrush Current 230 Vac: less than 36 A peak Input Current: 1 A rms maximum at 115 Vac Efficiency Typical: 70 percent at full load Safety Ground Leakage: less than 0.5 mA at 50/60 Hz 264 Vac Hold Up Time: 20 ms at 40 W load 115 Vac nominal

LPT43 Characteristics / Specifications

PARAMETER	VALUE
Model	LPT43
Series	LPT40
Instrument Type	Triple output AC-DC switching power supply
Output 1 Voltage	5 V
Output 1 Minimum Load	0.5 A
Output 1 Maximum Convection	6 A
Output 1 Maximum Forced Air	8 A
Output 1 Peak	9 A
Output 1 Regulation	plus or minus 2 percent
Output 1 Ripple	50 mV p-p
Output 2 Voltage	12 V
Output 2 Minimum Load	0 A
Output 2 Maximum Convection	0.5 A
Output 2 Maximum Forced Air	0.7 A
Output 2 Peak	1 A
Output 2 Regulation	plus or minus 5 percent
Output 2 Ripple	120 mV p-p
Output 3 Voltage	-12 V
Output 3 Minimum Load	0 A
Output 3 Maximum Convection	0.5 A
Output 3 Maximum Forced Air	0.7 A
Output 3 Peak	1 A
Output 3 Regulation	plus or minus 5 percent
Output 3 Ripple	120 mV p-p
Maximum Power Convection	40 W

PARAMETER	VALUE
Maximum Power Forced Air	55 W with 30 CFM
Input Voltage Ac	85 to 264 Vac
Input Voltage Dc	120 to 300 Vdc
Input Frequency	47 to 440 Hz
Inrush Current 115 Vac	less than 18 A peak cold start 25 C
Inrush Current 230 Vac	less than 36 A peak
Input Current	1 A rms maximum at 115 Vac
Efficiency Typical	70 percent at full load
Safety Ground Leakage	less than 0.5 mA at 50/60 Hz 264 Vac
Hold Up Time	20 ms at 40 W load 115 Vac nominal
Overvoltage Protection Main	5.7 to 6.7 V
Overload Protection	110 to 145 percent of peak rating
Cross Regulation Output	plus or minus 2 percent
Cross Regulation Outputs 2 And	plus or minus 5 percent
Adjustment Range	-5 to +10 percent minimum
Switching Frequency	110 kHz
Remote Sense Compensation	0.5 V lead drop minimum
Operating Temperature	0 to 50 C derate 2.5 percent perCto 70 C startup -20 C
Storage Temperature	-40 to plus 85 C
Temperature Coefficient	plus or minus 0.04 percent perCHumidity Operating: 5 to 95 percent non-condensing
Mtbf Demonstrated	greater than 550000 hours at full load 25 C
Mass	0.5 lb / 0.23 kg
Dimensions LxWxH	5.00 × 3.00 × 1.14 inches (127.0 x 76.2 × 29.0 mm)
Humidity	Operating: 5 to 95 percent non-condensing

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	40 to plus 85 C
Operating temperature	0 to 50 C derate 2.5 percent perCto 70 C startup -20 C
Operating Temperature	0 to 50 C derate 2.5 percent perCto 70 C startup -20 C
Humidity	Operating: 5 to 95 percent non-condensing
Temperature Coefficient	plus or minus 0.04 percent perCHumidity Operating: 5 to 95 percent non-condensing
Mtbf Demonstrated	greater than 550000 hours at full load 25 C
Mass	0.5 lb / 0.23 kg
Dimensions LxWxH	5.00 × 3.00 × 1.14 inches (127.0 x 76.2 × 29.0 mm) Notes From Advanced Energy Artesyn LPT40 series datasheet ordering row LPT43. Peak currents lasting less than 30 s at 10 percent maximum duty.

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	LPT43
Series	LPT40
Instrument Type	Triple output AC-DC switching power supply
Output 1 Voltage	5 V
Output 1 Minimum Load	0.5 A
Output 1 Maximum Convection	6 A
Output 1 Maximum Forced Air	8 A
Output 1 Peak	9 A
Output 1 Regulation	plus or minus 2 percent
Output 1 Ripple	50 mV p-p
Output 2 Voltage	12 V
Output 2 Minimum Load	0 A
Output 2 Maximum Convection	0.5 A
Output 2 Maximum Forced Air	0.7 A
Output 2 Peak	1 A
Output 2 Regulation	plus or minus 5 percent
Output 2 Ripple	120 mV p-p
Output 3 Voltage	-12 V
Output 3 Minimum Load	0 A
Output 3 Maximum Convection	0.5 A
Output 3 Maximum Forced Air	0.7 A
Output 3 Peak	1 A
Output 3 Regulation	plus or minus 5 percent
Output 3 Ripple	120 mV p-p
Maximum Power Convection	40 W
Maximum Power Forced Air	55 W with 30 CFM

PARAMETER	VALUE
Input Voltage Ac	85 to 264 Vac
Input Voltage Dc	120 to 300 Vdc
Input Frequency	47 to 440 Hz
Inrush Current 115 Vac	less than 18 A peak cold start 25 C
Inrush Current 230 Vac	less than 36 A peak
Input Current	1 A rms maximum at 115 Vac
Efficiency Typical	70 percent at full load
Safety Ground Leakage	less than 0.5 mA at 50/60 Hz 264 Vac
Hold Up Time	20 ms at 40 W load 115 Vac nominal
Overvoltage Protection Main	5.7 to 6.7 V
Overload Protection	110 to 145 percent of peak rating
Cross Regulation Output 1	plus or minus 2 percent
Cross Regulation Outputs 2 And 3	plus or minus 5 percent
Adjustment Range	-5 to +10 percent minimum
Switching Frequency	110 kHz
Remote Sense Compensation	0.5 V lead drop minimum
Operating Temperature	0 to 50 C derate 2.5 percent perCto 70 C startup -20 C
Storage Temperature	-40 to plus 85 C
Temperature Coefficient	plus or minus 0.04 percent perCHumidity Operating: 5 to 95 percent non-condensing
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Notes

From Advanced Energy Artesyn LPT40 series datasheet ordering row LPT43. Peak currents lasting less than 30 s at 10 percent maximum duty.

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

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30-day returns
NAICS 423690 · 811210 · 541380
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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.