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Data Sheet

August 15, 2026

EMERSON / ARTESYN / ASTEC

Emerson / Artesyn / Astec LPT62 Power Supply

Artesyn Emerson LPT62 Triple Output Switching Power Supply 60 to 80 W The Artesyn LPT62 is the 5 V / +12 V / -12 V member of the LPT60 open-frame series. OEM LPT60 datasheet rates 60 W convection or 80 W with 30 CFM, universal 85 to 264 Vac or 120 to 300 Vdc, remote sense on the main, and 70 percent typical efficiency. Low-power industrial embedded systems needing logic 5 V with bipolar 12 V rails. Instrument Type: Triple output AC-DC switching power supply The Artesyn LPT62 is the 5 V / +12 V / -12 V member of the LPT60 open-frame series. OEM LPT60 datasheet rates 60 W convection or 80 W with 30 CFM, universal 85 to 264 Vac or 120 to 300 Vdc, remote sense on the main, and 70 percent typical efficiency. Low-power industrial embedded systems needing logic 5 V with bipolar 12 V rails. Instrument Type: Triple output AC-DC switching power supply Output 1 Regulation: plus or minus 2 percent

**MODEL****Emerson / Artesyn
/ Astec LPT62****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****LPT62****LISTING**<https://aumictechlabs.com/products/lpt62-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Emerson/Artesyn/Astec LPT62 is a 60W open-frame AC-DC power supply engineered for ITE and commercial applications. This triple-output design delivers regulated power across three independent rails with universal input capability spanning 85V to 264V AC or 120V to 300V DC at 47 Hz to 440 Hz. The supply operates in convection mode or scales to 80W with 30 CFM forced-air cooling, making it suitable for space-constrained chassis-mount installations. Technical Specifications Output 1: 5V DC at 7A with $\pm 2\%$ regulation and 50mV peak-to-peak ripple Output 2:

12V DC at 3A with $\pm 5\%$ regulation and 120mV peak-to-peak ripple Output 3: -12V DC at 0.7A with $\pm 5\%$ regulation Maximum power: 60W total across all outputs Efficiency: Approximately 70% Input: 85–264V AC or 120–300V DC; 47–440 Hz Dimensions: 127.0 mm L $\times$ 76.2 mm W $\times$ 42.9 mm H Weight: 340g Operating temperature: 0°C to 50°C (with derating to 70°C) Key Features Short-circuit protection on all outputs Over-voltage protection on the main output Remote sense capability on primary 5V rail Adjustable main output voltage Dual-input operation (AC or DC) RoHS compliant Typical Applications Suitable for commercial IT equipment, industrial controllers, telecom systems, and distributed power architectures requiring compact, regulated multi-rail supplies. Compatibility & Integration AC input connector: Molex 09-50-8031 (USA). Certified to CB, CE, VDE 0805/EN60950, UL1950, and CSA 22.2-234 Level 3 standards. Minimum load required on outputs.

Features & description

From manufacturer datasheet

Built-in EMI filter ClassBconducted

Overvoltage and overload protection Technical Specifications Model: LPT62 Series: LPT60 Instrument Type: Triple output AC-DC switching power supply Output 1 Voltage: 5 V Output 1 Minimum Load: 0.7 A Output 1 Maximum Convection: 7 A Output 1 Maximum Forced Air: 8 A Output 1 Peak: 10 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: 0.3 A Output 2 Maximum Convection: 3 A Output 2 Maximum Forced Air: 3.5 A Output 2 Peak: 6 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: 0.7 A Output 3 Maximum Forced Air: 1 A Output 3 Peak: 1.5 A Output 3 Regulation: plus or minus 5 percent Output 3 Ripple: 120 mV p-p Maximum Power Convection: 60 W Maximum Power Forced Air: 80 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: 1.5 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

LPT62 Characteristics / Specifications

PARAMETER	VALUE
Model	LPT62
Series	LPT60
Instrument Type	Triple output AC-DC switching power supply
Output 1 Voltage	5 V
Output 1 Minimum Load	0.7 A
Output 1 Maximum Convection	7 A
Output 1 Maximum Forced Air	8 A
Output 1 Peak	10 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	0.3 A
Output 2 Maximum Convection	3 A
Output 2 Maximum Forced Air	3.5 A
Output 2 Peak	6 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	0.7 A
Output 3 Maximum Forced Air	1 A
Output 3 Peak	1.5 A
Output 3 Regulation	plus or minus 5 percent
Output 3 Ripple	120 mV p-p
Maximum Power Convection	60 W

PARAMETER	VALUE
Maximum Power Forced Air	80 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	1.5 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
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	0.75 lb / 0.34 kg
Dimensions Footprint	3.00 × 5.00 inches class
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
Operating Temperature	0 to 50 C derate 2.5 percent perCto 70 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	0.75 lb / 0.34 kg
Dimensions Footprint	3.00 × 5.00 inches class Notes From Advanced Energy Artesyn LPT60 series datasheet ordering row LPT62. Peak currents last 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	LPT62
Series	LPT60
Instrument Type	Triple output AC-DC switching power supply
Output 1 Voltage	5 V
Output 1 Minimum Load	0.7 A
Output 1 Maximum Convection	7 A
Output 1 Maximum Forced Air	8 A
Output 1 Peak	10 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	0.3 A
Output 2 Maximum Convection	3 A
Output 2 Maximum Forced Air	3.5 A
Output 2 Peak	6 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	0.7 A
Output 3 Maximum Forced Air	1 A
Output 3 Peak	1.5 A
Output 3 Regulation	plus or minus 5 percent
Output 3 Ripple	120 mV p-p
Maximum Power Convection	60 W
Maximum Power Forced Air	80 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	1.5 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
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	0.75 lb / 0.34 kg
Dimensions Footprint	3.00 x 5.00 inches class

Notes

From Advanced Energy Artesyn LPT60 series datasheet ordering row LPT62. Peak currents last 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

Aumictech

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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.