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Data Sheet

August 15, 2026

EMERSON / ARTESYN / ASTEC

Emerson / Artesyn / Astec LPT65 Power Supply Board

Artesyn Emerson LPT65 Triple Output Switching Power Supply 60 to 80 W The Artesyn LPT65 is the 5 V / +24 V / +12 V member of the LPT60 series. OEM LPT60 datasheet rates the same 60/80 W thermal envelope as other LPT60 models with universal AC/DC input and remote sense on the main 5 V output. Industrial control needing 5 V logic with 24 V and 12 V auxiliary rails in a 3 × 5 inch open frame. Instrument Type: Triple output AC-DC switching power supply

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MODEL

Emerson / Artesyn / Astec LPT65

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

LPT65

LISTING

<https://aumictechlabs.com/products/lpt65-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Emerson / Artesyn / Astec LPT65 is a 60-watt open-frame AC-DC power supply designed for Information Technology Equipment (ITE) applications. This triple-output module delivers regulated power across universal input ranges, accepting 85–264 V AC or 120–300 V DC at 47–440 Hz. The compact chassis-mount board measures 127.0 mm × 76.2 mm × 42.9 mm and weighs

approximately 340 g, making it suitable for space-constrained OEM and system integrator deployments. Technical Specifications Electrical Performance Output Power: 60 W (convection cooling); 80 W (forced cooling @ 30 CFM) Output 1: 5 V DC @ 7 A (adjustable $\pm 5\%$, max 5.5 V) Output 2: 24 V DC @ 1.5 A Output 3: 12 V DC @ 0.7 A Input Voltage: 85–264 V AC or 120–300 V DC, 47–440 Hz Efficiency: Typically 70% at full load Hold-up Time: 20 ms at 40 W load, 115 V AC input Ripple and Noise: 240 mV typical Leakage Current: < 0.5 mA at 50/60 Hz, 264 V AC input Environmental Operating Temperature: 0–50 °C ambient Dimensions: 127.0 mm L $\times$ 76.2 mm W $\times$ 42.9 mm H Weight: ~340 g Key Features Universal input acceptance (AC and DC) simplifies integration across global designs Remote sense on main output compensates for up to 0.5 V lead drop Built-in EMI filter minimizes conducted and radiated emissions Short-circuit and overload protection on all outputs (110–145% derating) Overvoltage clipping: 5.7–6.7 V DC on main output Reverse connection protection High peak ratings sustained for 30 seconds RoHS compliant; CB, CE, NEMKO, UL, cUL, VDE, and CSA certified Typical Applications Commercial IT equipment requiring multi-voltage power rails. Network infrastructure, server peripherals, telecommunications modules, and industrial control systems benefiting from a small footprint and wide input tolerance. Compatibility & Integration Open-frame construction enables direct PCB mounting and thermal integration into larger assemblies. Main output adjustability and remote sense allow field optimization for cable drop compensation. Triple outputs accommodate mixed-voltage subsystems without auxiliary regulation.

Features & description

From manufacturer datasheet

Built-in ClassBEMI filter

Overvoltage protection on main LPX60 enclosure kit available Technical Specifications Model: LPT65 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: 24 V Output 2 Minimum Load: 0.1 A Output 2 Maximum Convection: 1.5 A Output 2 Maximum Forced Air: 2.0 A Output 2 Peak: 3 A Output 2 Regulation: plus or minus 7 percent Output 2 Ripple: 240 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 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 264 Vac

LPT65 Characteristics / Specifications

PARAMETER	VALUE
Model	LPT65
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	24 V
Output 2 Minimum Load	0.1 A
Output 2 Maximum Convection	1.5 A
Output 2 Maximum Forced Air	2.0 A
Output 2 Peak	3 A
Output 2 Regulation	plus or minus 7 percent
Output 2 Ripple	240 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
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 264 Vac
Hold Up Time	20 ms at 40 W 115 Vac
Overvoltage Protection Main	5.7 to 6.7 V
Overload Protection	110 to 145 percent of peak rating
Switching Frequency	110 kHz
Remote Sense Compensation	0.5 V
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: 5 to 95 percent non-condensing
Mtbf Demonstrated	greater than 550000 hours
Mass	0.75 lb / 0.34 kg
Humidity	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
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Humidity	5 to 95 percent non-condensing
Temperature Coefficient	plus or minus 0.04 percent perCHumidity: 5 to 95 percent non-condensing
Mtbf Demonstrated	greater than 550000 hours
Mass	0.75 lb / 0.34 kg Notes From Advanced Energy Artesyn LPT60 series datasheet ordering row LPT65.

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	LPT65
Series	LPT60
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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	24 V
Output 2 Minimum Load	0.1 A
Output 2 Maximum Convection	1.5 A
Output 2 Maximum Forced Air	2.0 A
Output 2 Peak	3 A
Output 2 Regulation	plus or minus 7 percent
Output 2 Ripple	240 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
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Mass	0.75 lb / 0.34 kg

Notes

From Advanced Energy Artesyn LPT60 series datasheet ordering row LPT65.

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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NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.