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Data Sheet

August 15, 2026

ADVANCED ENERGY / ARTESYN

Advanced Energy / Artesyn SSL40-7612 Single Output External AC/DC Power Supply

Advanced Energy / Artesyn AC Power Supply. Voltage / Current Range: 90–264 VAC input; 12V @ 3A output, Voltage: 90–264 VAC universal input, Voltage: 12V typical.

**MODEL****Advanced Energy /
Artesyn SSL40-
7612****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****SSL40-7612****LISTING**[https://aumictechlabs.c
om/products/ssl40-761
2-2/](https://aumictechlabs.com/products/ssl40-7612-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Advanced Energy / Artesyn SSL40-7612 is a 40W single-output external AC/DC power supply engineered for low-power, portable, and desktop applications in data networking, computing, and industrial environments. Universal input acceptance across 90–264 VAC with free air convection cooling eliminates the need for active thermal management, while a molded UL94V-0 plastic enclosure delivers compact dimensions suitable for space-constrained installations. The unit integrates overvoltage and short-circuit protection, 3 kVAC isolation voltage, and operates across 0 °C to +40 °C with a maximum rating of +70 °C. Technical Specifications Output Power: 40W Input Voltage: 90–264 VAC universal input Output Voltage: 12V typical Output Current: 3A typical (at 12V) Efficiency: 70–80% typical Isolation Voltage: 3 kVAC Switching Frequency: 72 kHz typical Hold-up Time: 10 ms at 115 VAC, full load Operating Temperature Range: 0 °C to +40 °C Maximum

Operating Temperature: +70 °C Enclosure Dimensions: 4.65 × 2.40 × 1.08 inches Weight: 200 g (7 oz)

Key Features Free air convection cooling eliminates fan noise and maintenance Universal AC input (90–264 VAC) accommodates global mains variations Overvoltage and short-circuit protection UL, CSA, VDE, and CE safety approvals FCC and EN55022 emissions compliance (Level B) 3 ft DC output cord with 2.5 mm phone jack connector Compact molded plastic enclosure (UL94V-0 rated)

Typical Applications Lighting and display systems Data networking equipment Desktop and portable computing devices General industrial electronics

Compatibility & Integration The SSL40-7612 provides universal AC input connectivity and delivers 12V DC output via a 2.5 mm phone jack connector with 3 ft cord. Integration into systems requiring low-power DC conversion at 40W capacity makes it suitable for a broad range of electronic devices across commercial and industrial sectors.

SSL407612 Characteristics / Specifications

PARAMETER	VALUE
Model	SSL40-7612
Series	SSL40C
Instrument Type	Single output external AC-DC desktop adapter
Output Voltage	12 V
Output Current Minimum	0 A
Output Current Maximum	3.00 A
Output Current Peak	3.6 A
Output Ripple Maximum	120 mV
Output Setting Range	11.4 to 12.6 V
Overvoltage Protection Trip Class	16.8 V
Total Regulation	plus or minus 5.0 percent
Input Voltage Ac	90 to 264 Vac
Input Current At 90 Vac	1.0 Arms maximum
Input Current At 264 Vac	0.6 Arms maximum
Hold Up Time 115 Vac Full Load	10 ms
Efficiency Typical 115 Vac Full Load	80 percent
Isolation Input To Output	3000 Vac
Switching Frequency Typical	72 kHz fixed
Operating Temperature Full Load	0 to 40 C
Storage Temperature	-10 to plus 85 C
Relative Humidity	5 to 95 percent RH
Altitude Operating	10000 feet maximum
Mass	200 g
Case Material	Lexan black UL94V-0
Mtbf Mil Handbook 217F At 25 C	greater than 150000 hours

PARAMETER	VALUE
Power Rating Class	36 W continuous at 12 V 3 A
Dimensions Class	4.65 × 2.40 × 1.08 inches (118.0 x 61.0 x 27.5 mm)
Operating temperature	Full Load: 0 to 40 C
Humidity	5 to 95 percent RH

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	10 to plus 85 C
Operating temperature	Full Load: 0 to 40 C
Operating Temperature	Full Load: 0 to 40 C
Humidity	5 to 95 percent RH
Operating Temperature Full Load	0 to 40 C
Relative Humidity	5 to 95 percent RH
Altitude Operating	10000 feet maximum
Mass	200 g
Case Material	Lexan black UL94V-0
Mtbf Mil Handbook 217F At 25 C	greater than 150000 hours
Power Rating Class	36 W continuous at 12 V 3 A
Dimensions Class	4.65 × 2.40 × 1.08 inches (118.0 x 61.0 x 27.5 mm) Notes From Advanced Energy / Artesyn SSL40C series datasheet ordering row SSL40C-7612J applied to queue model SSL40-7612. Peak current timing belongs on the full OEM sheet notes.

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	
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Notes

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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 ·
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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.