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Data Sheet

August 15, 2026

EMERSON / ARTESYN / ASTEC

Emerson / Artesyn / Astec LPS255-CEF Power Supply

The Emerson/Artesyn/Astec LPS255-CEF is a reliable power supply unit designed for various electronic applications. It provides stable and efficient power conversion, ensuring optimal performance of connected devices. With its compact form factor and solid design, it is suitable for integration into a wide range of systems.

**MODEL****Emerson / Artesyn
/ Astec LPS255-
CEF****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****LPS255-CEF****LISTING**[https://aumictechlabs.c
om/products/lps255-ce
f-2/](https://aumictechlabs.com/products/lps255-cef-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Emerson/Artesyn/Astec LPS255-CEF is a 250 W AC-DC switch mode power supply designed as an off-board module for system integration applications. It delivers regulated 24 VDC output with wide-range adjustability and incorporates active power factor correction, remote sense and inhibit capabilities, and single-wire current sharing for parallel operation. The unit operates across universal input voltage ranges with built-in EMI filtering to Class B standards and includes comprehensive protection circuits, making it suitable for industrial control, telecommunications, and distributed power systems requiring efficient, reliable conversion. Technical Specifications Input Characteristics Input voltage: 85–264 VAC or 120–300 VDC Input frequency: 47–440 Hz

Active power factor correction reduces line harmonics and improves efficiency Inrush current: 20 A maximum at cold start, 25°C Safety ground leakage: <0.5 mA @ 50/60 Hz, 264 VAC Output Characteristics Nominal output: 24 VDC with 2:1 wide-range adjustment capability (24–48 VDC) Load regulation: 2% Low output ripple and DC power good signal Supervisory outputs: 5 V @ 100 mA and 12 V @ 500 mA regulated Hold-up time: 20 ms at 250 W load, 115 VAC nominal Protection & Thermal Management Short-circuit protection on all outputs Overload protection at 10–145% above rated capacity Overvoltage protection with selectable thresholds Thermal overload protection Fan-cooled operation; 30 CFM forced air cooling required if optional fans not installed Operating temperature: 0–50°C; derating 2.5% per °C from 50–70°C EMI & Regulatory Built-in EMI filter: FCC Class B, CISPR 22 Class B, EN55022 Class B, VDE 0878 PT3 Class B Switching frequency: 120 kHz Key Features Remote sense compensates for voltage drop in load leads Remote inhibit enables software-controlled shutdown Single-wire current sharing simplifies parallel configuration for increased power delivery Power fail signal alerts host systems to input loss conditions Compact form factor: 261 × 127 × 50.8 mm Typical Applications Distributed power architectures, industrial process control, telecommunications infrastructure, backup power systems, and multi-supply configurations requiring coordinated current sharing.

LPS255CEF Characteristics / Specifications

PARAMETER	VALUE
Model	LPS255-CEF
Series	LPS250
Instrument Type	Single output AC-DC switching power supply with end fan cover
Output Voltage Nominal	24 V adjustable 24 to 48 V class family
Minimum Load	0.32 A class LPS255
Maximum Load Forced Air	10.4 A
Peak Load	12.5 A lasting less than 30 s at 10 percent maximum duty
Regulation	plus or minus 2 percent at 25 C
Ripple Noise Pard	240 mV p-p maximum 20 MHz
Input Voltage Ac	85 to 264 Vac
Input Voltage Dc	120 to 300 Vdc
Input Frequency	47 to 440 Hz class family
Inrush Current	20 A maximum cold start at 25 C class family
Efficiency Typical	75 percent at full load class family
Power Factor Typical	0.99
Safety Ground Leakage	less than 0.5 mA at 50/60 Hz 264 Vac
Maximum Power	250 W with forced air
Hold Up Time	20 ms at 250 W 115 Vac nominal class family
Overload Protection	110 to 145 percent above peak rating
Overvoltage Protection	10 to 25 percent above nominal class family
Switching Frequency	120 kHz
Supervisory Output 5 V	100 mA regulated
Supervisory Output 12 V	500 mA
Operating Temperature	0 to 50 C derate 2.5 percent perCto 70 C
Storage Temperature	-40 to plus 85 C

PARAMETER	VALUE
Temperature Coefficient	plus or minus 0.04 percent perCHumidity Operating: 5 to 95 percent non-condensing
Cover Configuration	CEF dual end fan with AC inlet
Related Cover Codes	C cover CF top fan
Humidity	Operating: 5 to 95 percent non-condensing

General Specifications & Supplementary Characteristics

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