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Data Sheet

August 15, 2026

COSEL

Cosel PBA300F-24 AC Power Supply

Cosel PBA300F-24 336 W AC-DC Enclosed Power Supply 24 V 14 A The Cosel PBA300F-24 is a forced-air cooled single-output AC-DC power supply in the PBA300F family. OEM Cosel PBA series catalog tables rate 24 V at 14 A (336 W) from AC 85 to 264 V or DC 120 to 350 V input, with remote sensing, remote ON/OFF, and Class B conducted noise compliance. Industrial control panels, ATE rack power, and embedded electronics needing a compact 24 V chassis supply with PFC and wide AC/DC input. Parallel and N+1 redundancy capability on PBA300F class The Cosel PBA300F-24 is a forced-air cooled single-output AC-DC power supply in the PBA300F family. OEM Cosel PBA series catalog tables rate 24 V at 14 A (336 W) from AC 85 to 264 V or DC 120 to 350 V input, with remote sensing, remote ON/OFF, and Class B conducted noise compliance. Industrial control panels, ATE rack power, and embedded electronics needing a compact 24 V chassis supply with PFC and wide AC/DC input. Parallel and N+1 redundancy capability on PBA300F class Instrument Type: Enclosed single output AC-DC switching power supply



MODEL

Cosel PBA300F-24

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

PBA300F-24

LISTING

<https://aumictechlabs.com/products/pba300f-24-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Cosel PBA300F-24 is a 300W AC-DC enclosed chassis-mount power supply engineered for industrial and embedded systems requiring compact, high-density power delivery. This unit

accepts universal AC input (85–264V, 1Φ, 50/60 Hz) or DC input (120–350V) and delivers 24V DC at 14A nominal output. Measuring just 170 × 102 × 42 mm, it occupies 35–65% less volume than conventional 300W alternatives, making it ideal for space-constrained installations. The supply incorporates built-in power factor correction, harmonic attenuation compliant with IEC61000-3-2, and fan-cooled thermal management across the –20 to +71°C operating range. Technical Specifications Output: 24V DC, 14A rated (16.5A peak); 300W rated / 336W maximum Input: AC 85–264V 1Φ (50/60 Hz) or DC 120–350V Voltage adjustment range: 16.50–26.40V Efficiency: 77–82% typical (varies with input and load) Inrush current: 15A typical at 100V AC / 30A typical at 200V AC Leakage current: 0.15/0.30 mA max (100V/240V, 60 Hz) Dimensions: 170 mm L × 102 mm W × 42 mm D Operating temperature: –20 to +71°C (derating required) Operating humidity: 20–90% RH non-condensing Key Features Overcurrent protection: Automatic recovery below 105% rated current or 101% peak current; manual recovery required after 5-second continuous fault Overvoltage protection: 28.8–37.2V threshold with automatic shutdown and input cycling recovery Remote ON/OFF control and remote voltage sensing Fan alarm output Parallel operation and parallel redundancy supported (PBA300F–1500F range) 5-year warranty Lightweight, enclosed design with fan cooling Typical Applications Industrial automation and control systems Embedded systems requiring isolated 24V rails Space-constrained cabinets and enclosures Multi-supply redundancy configurations Compatibility & Integration Remote sensing and ON/OFF control enable flexible system architectures. Parallel and redundancy modes allow N+1 configurations in critical applications.

PBA300F Characteristics / Specifications

PARAMETER	VALUE
Model	PBA300F-24
Instrument Type	Enclosed single output AC-DC switching power supply
Rated Output Wattage	336 W
Rated Output Voltage	24 V
Rated Output Current Acin 100 V	14 A
Rated Output Current Acin 200 V	14 A (16.5 A peak)
Output Voltage Adjustment Range	16.50 to 26.40 V
Output Voltage Setting Range	24.00 to 24.96 V
Input Voltage	AC 85 to 264 V 1-phase or DC 120 to 350 V
Input Frequency	50/60 Hz (47 to 63 Hz)
Efficiency Typical Acin 100 V	79 percent at Io equals 100 percent
Efficiency Typical Acin 200 V	82 percent at Io equals 100 percent
Power Factor Typical Acin 100 V	0.98 at Io equals 100 percent
Power Factor Typical Acin 200 V	0.95 at Io equals 100 percent
Line Regulation	96 mV maximum
Load Regulation	150 mV maximum
Ripple At Plus 50 C	120 mVp-p maximum
Ripple Noise At Plus 50 C	150 mVp-p maximum
Temperature Regulation 0 To Plus 50 C	240 mV maximum
Drift Eight Hour	96 mV maximum
Start Up Time Typical	300 ms at ACIN 100/200 V Io equals 100 percent
Hold Up Time Typical	20 ms at ACIN 100/200 V Io equals 100 percent
Overcurrent Protection Threshold	over 105 percent of rated current or 101 percent of peak current automatic recovery
Overvoltage Protection	28.8 to 37.2 V
Leakage Current Maximum	0.45/0.75 mA at ACIN 100 V/240 V 60 Hz Io equals 100 percent

PARAMETER	VALUE
Isolation Input To Output Rc	AC 3000 V 1 minute
Isolation Input To Fg	AC 2000 V 1 minute
Isolation Resistance	50 MOhm minimum at DC 500 V room temperature
Operating Temperature	-20 to plus 71 C with derating
Operating Humidity	20 to 90 percent RH non-condensing
Storage Temperature	-20 to plus 75 C
Altitude Operating	3000 m maximum
Case Size WxHxD	102 × 42 × 170 mm without terminal block and screw
Mass	1.0 kg maximum
Cooling Method	Forced cooling internal fan
Conducted Noise Class	FCC Part 15 ClassBVCCI-B CISPR22-B EN55011-B EN55022-B
Harmonic Attenuator	complies with IEC61000-3-2
Humidity	20 to 90 percent RH non-condensing

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	20 to plus 75 C
Operating temperature	20 to plus 71 C with derating
Operating Temperature	20 to plus 71 C with derating
Humidity	20 to 90 percent RH non-condensing
Operating Humidity	20 to 90 percent RH non-condensing
Altitude Operating	3000 m maximum
Case Size WxHxD	102 × 42 × 170 mm without terminal block and screw
Mass	1.0 kg maximum
Cooling Method	Forced cooling internal fan
Conducted Noise Class	FCC Part 15 ClassBVCCI-B CISPR22-B EN55011-B EN55022-B
Harmonic Attenuator	complies with IEC61000-3-2 Notes From Cosel PBA series catalog columns for PBA300F-24. Peak current 16.5 A at ACIN 200 V is for 10 s with 35 percent maximum duty per OEM note. Ripple measured with 20 MHz oscilloscope or equivalent ripple-noise meter.

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

From Cosel PBA series catalog columns for PBA300F-24. Peak current 16.5 A at ACIN 200 V is for 10 s with 35 percent maximum duty per OEM note. Ripple measured with 20 MHz oscilloscope or equivalent ripple-noise meter.

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
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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.