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Data Sheet

August 15, 2026

COSEL

Cosel PBA-1500F-24

Cosel PBA1500F-24 1500 W AC-DC Enclosed Power Supply 24 V The Cosel PBA1500F-24 is a high-power forced-air single-output AC-DC supply in the PBA1500F family. OEM Cosel PBA catalog columns rate 1500 W at 24 V with 65 A at ACIN 100 V and 70 A (105 A peak) at ACIN 200 V, wide 16.50 to 26.40 V adjustment, and PFC. High-power industrial racks, burn-in systems, and large ATE cabinets needing a 1.5 kW-class 24 V rail with universal AC input. Internal forced-air fan cooling at 1500 W class The Cosel PBA1500F-24 is a high-power forced-air single-output AC-DC supply in the PBA1500F family. OEM Cosel PBA catalog columns rate 1500 W at 24 V with 65 A at ACIN 100 V and 70 A (105 A peak) at ACIN 200 V, wide 16.50 to 26.40 V adjustment, and PFC. High-power industrial racks, burn-in systems, and large ATE cabinets needing a 1.5 kW-class 24 V rail with universal AC input. Internal forced-air fan cooling at 1500 W class Parallel and Nplus 1 redundancy on PBA1500F class



MODEL

Cosel PBA-1500F-24

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

PBA-1500F-24

LISTING

<https://aumictechlabs.com/products/pba-1500f-24-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Cosel PBA-1500F-24 is a single-output AC-DC power supply delivering 24 V DC at up to 65 A continuous (100 VAC input) or 70 A continuous (200 VAC input), with 105 A peak capability. This enclosed unit operates from universal AC input (85–264 V, 50–60 Hz) or DC input (120–370 V), achieving 87% efficiency with active power factor correction and harmonic compliance to

IEC61000-3-2. Output voltage adjusts across 16.5–26.4 V, regulated to ± 96 mV line and ± 150 mV load variation. Built-in protections include overcurrent shutdown, overvoltage protection with auto-recovery, and fan alarm monitoring. Remote ON/OFF, remote sensing for load-end voltage compensation, and CN1/CN2/CN3 connector harnesses enable flexible control and parallel operation configurations. Rated for 1680 W maximum output power across operating temperatures of -20 to $+71$ °C. The unit meets UL60950-1, CSA60950-1, and EN60950-1 safety approvals, weighs 3.4 kg, and supports panel, chassis, or DIN rail mounting. Response time of 600 mS typical. Designed for industrial and medical applications requiring stable, regulated high-current DC power with field-configurable interfaces.

PBA1500F Characteristics / Specifications

PARAMETER	VALUE
Model	PBA1500F-24
Instrument Type	Enclosed single output AC-DC switching power supply
Rated Output Wattage	1500 W
Rated Output Voltage	24 V
Rated Output Current Acin 100 V	65 A
Rated Output Current Acin 200 V	70 A (105 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 370 V
Input Frequency	50/60 Hz (47 to 63 Hz)
Efficiency Typical Acin 100 V	84 percent at Io equals 100 percent
Efficiency Typical Acin 200 V	87 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	600 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	Vo plus 4.8 to 9.6 V
Leakage Current Maximum	0.9/1.5 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 25 mA cutoff
Isolation Input To Fg	AC 2000 V 1 minute 25 mA cutoff
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	178 × 61 × 268 mm without terminal block and screw
Mass	3.4 kg maximum
Cooling Method	Forced cooling internal fan
Conducted Noise Class	FCC Part 15 ClassBwith additional EMI filter note for ClassBHarmonic Attenuator: complies with IEC61000-3-2
Vibration	19.6 m/s2 (2 G) 10 to 55 Hz
Impact	196.1 m/s2 (20 G) 11 ms
Humidity	20 to 90 percent RH non-condensing

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	20 to plus 75 C
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Impact	196.1 m/s2 (20 G) 11 ms Notes From Cosel PBA series catalog columns for PBA1500F-24. Peak current 105 A at ACIN 200 V is for 10 s with 35 percent maximum duty. Queue SKU may appear as PBA-1500F-24; electrical identity is PBA1500F-24.

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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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 ·
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.