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Data Sheet

August 15, 2026

COSEL

Cosel ACE450F Modular Power Supply

Cosel ACE450F 450 W Configurable Modular AC-DC Power Supply The Cosel ACE450F is a forced-air cooled modular AC-DC chassis in the ACE series. Cosel Europe basic specifications and the ACE instruction manual rate AC 85 to 264 V single-phase input (DC 120 to 350 V also supported), 450 W chassis power, 5 output-module slots, remote ON/OFF, alarms, and optional medical safety (H). Configurable multi-rail industrial, medical (H option), and ATE systems needing isolated modular outputs from a single universal-input chassis. The Cosel ACE450F is a forced-air cooled modular AC-DC chassis in the ACE series. Cosel Europe basic specifications and the ACE instruction manual rate AC 85 to 264 V single-phase input (DC 120 to 350 V also supported), 450 W chassis power, 5 output-module slots, remote ON/OFF, alarms, and optional medical safety (H). Configurable multi-rail industrial, medical (H option), and ATE systems needing isolated modular outputs from a single universal-input chassis. Modular slot architecture with series and parallel bus-bar codes



MODEL

Cosel ACE450F

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

ACE450F

LISTING

<https://aumictechlabs.com/products/ace450f-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Cosel ACE450F is a modular power supply engineered for industrial and medical applications requiring configurable multi-output capability. Built on a 5-slot chassis platform, it delivers 400W continuous and 450W maximum output across a wide range of selectable voltage rails. The unit

accepts AC input from 85–264V single-phase at 50/60 Hz with active power factor correction, drawing a maximum of 6.2A. Its modular architecture supports field configuration of output voltages including 2V, 3.3V, 5V, 7.5V, 12V, 15V, 18V, 24V, 34V, 48V, dual-rail outputs ($\pm 5V$, $\pm 12V$, $\pm 15V$, $\pm 24V$), and combined rails (5V/5V, 5V/12V, 5V/24V). Specific voltage and current allocations depend on installed output modules. Technical Specifications Output Power: 400W continuous, 450W maximum Input Voltage: AC 85–264V, 1 Φ , AC 100–240V Input Frequency: 50/60 Hz Maximum Input Current: 6.2A Output Slots: 5 configurable positions Isolation: 3000 VAC Operating Temperature: –20 to +70°C Efficiency: 80% Overload Capacity: Operates at >105% rated current with automatic recovery Protection: Overload and overvoltage protection with alarm settings Control: Remote On/Off capability Approvals: ITE/Medical (UL60601-1, EN60601-1) Key Features Active PFC for improved power factor across the input range Isolation rated to 3000 VAC for system safety Series and parallel connection support for extended capability Automatic overload recovery - no manual intervention required Wide ambient operating range from –20 to +70°C accommodates harsh environments Modular slot design permits field reconfiguration without chassis replacement Typical Applications Medical device instrumentation and patient-care equipment Industrial control systems and process automation Multi-rail systems requiring isolated or dual-polarity supplies Applications demanding high input voltage tolerance and global AC acceptance Compatibility & Integration The ACE450F integrates into systems via 5-slot modular architecture. Dual-output and dual-rail module combinations are supported. Series and parallel operation extends total power delivery capacity. Remote on/off control permits integration into automated or supervised power management schemes. Status: Scheduled discontinuation October 2025.

Features & description

From manufacturer datasheet

Built-in forced cooling fan

Remote ON/OFF via AUX and RC terminals PR and LV alarm outputs IEC61000-3-2 harmonic attenuator compliance Technical Specifications Model: ACE450F Instrument Type: Configurable modular AC-DC power supply chassis Rated Output Wattage: 450 W Number Of Output Slots: 5 Input Voltage Ac: AC 85 to 264 V 1-phase Input Voltage Dc: DC 120 to 350 V Safety Standard Input Range: AC 100 to 240 V 50/60 Hz Available Module Voltages: 2 V 3.3 V 5 V 7.5 V 12 V 15 V 18 V 24 V 34 V 48 V and dual and bipolar sets per Cosel module table Minimum Slots Populated: 2 Cooling Method: Forced cooling built-in fan Case Size WxHxD: 127 × 63.5 × 254 mm Overcurrent Protection Threshold: over 105 percent of rated current or over 101 percent of peak current automatic recovery Remote Sense Line Drop Limit: less than 0.3 V Remote On Off Turn On: SW open 0 to 0.5 V between RC plus and RC minus Remote On Off Turn Off: SW close 12 V between RC plus and RC minus Alarm Functions: PR abnormal input or fan and LV abnormal module voltage Isolation MedicalHInput To Output: AC 4000 V 1 minute cutoff 10 mA Leakage Current MedicalHAt 100 Vac: 0.3 mA maximum Leakage Current MedicalHAt 230 Vac: 0.5 mA maximum Conducted Noise Medical H: FCC-A VCCI-A CISPR22-A EN55022-A

ACE450F Characteristics / Specifications

PARAMETER	VALUE
Model	ACE450F
Instrument Type	Configurable modular AC-DC power supply chassis
Rated Output Wattage	450 W
Number Of Output Slots	5
Input Voltage Ac	AC 85 to 264 V 1-phase
Input Voltage Dc	DC 120 to 350 V
Safety Standard Input Range	AC 100 to 240 V 50/60 Hz
Available Module Voltages	2 V 3.3 V 5 V 7.5 V 12 V 15 V 18 V 24 V 34 V 48 V and dual and bipolar sets per Cosel module table
Minimum Slots Populated	2
Cooling Method	Forced cooling built-in fan
Case Size WxHxD	127 × 63.5 × 254 mm
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Remote Sense Line Drop Limit	less than 0.3 V
Remote On Off Turn On	SW open 0 to 0.5 V between RC plus and RC minus
Remote On Off Turn Off	SW close 12 V between RC plus and RC minus
Alarm Functions	PR abnormal input or fan and LV abnormal module voltage
Isolation MedicalHInput To Output	AC 4000 V 1 minute cutoff 10 mA
Leakage Current MedicalHAt 100 Vac	0.3 mA maximum
Leakage Current MedicalHAt 230 Vac	0.5 mA maximum
Conducted Noise Medical H	FCC-A VCCI-A CISPR22-A EN55022-A
Harmonic Attenuator	complies with IEC61000-3-2
Instantaneous Dip Support Input	70 VAC or 100 VDC duty 1 s per 30 s
Instantaneous Dip Support Output Power	360 W
Parallel Current Derating	10 percent when modules paralleled per OEM note

PARAMETER	VALUE
Series Operation Max Rated Voltage	48 V total
Safety Approvals	UL60950-1 C-UL CSA60950-1 EN62368-1 DEN-AN UL60601-1 EN60601-1 H option

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 and the ACE instruction manual rate AC 85 to 264 V single-phase input (DC 120 to 350 V also supported), 450 W chassis power, 5 output-module slots, remote ON/OFF, alarms, and optional medical safety (H).

Applications

Configurable multi-rail industrial, medical (H option), and ATE systems needing isolated modular outputs from a single universal-input chassis.

Key Features

Modular slot architecture with series and parallel bus-bar codes

Built-in forced cooling fan

Remote ON/OFF via AUX and RC terminals

PR and LV alarm outputs

IEC61000-3-2 harmonic attenuator compliance

Technical Specifications

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Notes

From Cosel Europe ACE450F basic specification table and Cosel ACE instruction manual CME_ACE for chassis-level electrical and protection figures. Output module current and ripple belong on the installed module codes; do not invent module-row numbers without the Cosel module table for the configured slots.

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.