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Data Sheet

August 15, 2026

COSEL

Cosel ACE300F Modular Power Supply

Cosel ACE300F 300 W Configurable Modular AC-DC Power Supply The Cosel ACE300F 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), 300 W chassis power, 4 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 ACE300F 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), 300 W chassis power, 4 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 ACE300F

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

ACE300F

LISTING

<https://aumictechlabs.com/products/ace300f-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Cosel ACE300F is a modular power supply engineered for flexible, configurable multi-output applications. This 300 W platform accommodates up to four output modules, enabling up to twelve isolated outputs through its modular slot architecture. The unit accepts universal single-

phase input (AC 85–264 V, 50/60 Hz) with active Power Factor Correction and complies with IEC 61000-3-2 harmonic attenuation requirements. Technical Specifications Power & Input Maximum output power: 300 W Input voltage range: AC 85–264 V, single-phase, 50/60 Hz Maximum input current: 4.1 A Output current: Up to 4.1 A (total) Efficiency: Up to 80% Active Power Factor Correction (PFC) included Output Configuration Four module slots for flexible output architecture Selectable output voltages: 2 V, 3.3 V, 5 V, 7.5 V, 12 V, 15 V, 18 V, 24 V, 34 V, 48 V Symmetric outputs: ± 5 V, ± 12 V, ± 15 V, ± 24 V Dual-output configurations: 5 V/5 V, 5 V/12 V, 5 V/24 V Series and parallel connection supported Output voltage adjustment available Control & Protection Remote ON/OFF control standard Alarm circuit output Overload protection: Automatic recovery at $\geq 105\%$ rated current or $\geq 101\%$ peak current Reverse polarity protection supported Safety & Compliance Approvals: UL, C-UL, TÜV, CE, UKCA Medical safety: IEC 60601-1/EN 60601-1 Ed. 3.1 ITE or Medical configurations available Mechanical M4 fixing positions, 6 mm maximum screw penetration Natural convection cooling integrated Key Features Twelve isolated outputs achievable within single chassis Wide input acceptance eliminates need for voltage selector Modular design enables field reconfiguration Medical-grade safety approvals for critical applications Harmonic compliance reduces distribution system stress Typical Applications Medical instrumentation, industrial test equipment, multi-rail embedded systems, laboratory power distribution, and applications requiring isolated dual or triple voltage rails. Compatibility & Integration End-of-life discontinuation is scheduled for October 2025. Complete technical documentation including datasheet, instruction manual, safety approvals, EMC data, and reliability information is available.

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: ACE300F Instrument Type: Configurable modular AC-DC power supply chassis Rated Output Wattage: 300 W Number Of Output Slots: 4 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: 103 × 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

ACE300F Characteristics / Specifications

PARAMETER	VALUE
Model	ACE300F
Instrument Type	Configurable modular AC-DC power supply chassis
Rated Output Wattage	300 W
Number Of Output Slots	4
Input Voltage Ac	AC 85 to 264 V 1-phase
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Cooling Method	Forced cooling built-in fan
Case Size WxHxD	103 × 63.5 × 254 mm
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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	200 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), 300 W chassis power, 4 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 ACE300F 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.