

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

COSEL

Cosel ADA1000F-30 AC/DC Power Supply

Cosel ADA1000F-30 30 V AC-DC Enclosed Power Supply 1000 W Class The Cosel ADA1000F-30 is a single-output enclosed AC-DC converter in the ADA 1000 W family. Published Cosel ADA1000F-30 distributor datasheet attributes list 85 to 264 Vac input, 30 V output at 20 A, 600 W convection / 1005 W forced-air rating, 88 percent efficiency, and 3 kV isolation. Industrial and ITE chassis power needing a 30 V rail with universal AC input and forced-air power boost. Universal AC input with DC input capability The Cosel ADA1000F-30 is a single-output enclosed AC-DC converter in the ADA 1000 W family. Published Cosel ADA1000F-30 distributor datasheet attributes list 85 to 264 Vac input, 30 V output at 20 A, 600 W convection / 1005 W forced-air rating, 88 percent efficiency, and 3 kV isolation. Industrial and ITE chassis power needing a 30 V rail with universal AC input and forced-air power boost. Universal AC input with DC input capability Instrument Type: Enclosed single output AC-DC converter



MODEL

Cosel ADA1000F-30

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

ADA1000F-30

LISTING

<https://aumictechlabs.com/products/ada1000f-30-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Cosel ADA1000F-30 is a 1000W AC/DC power supply engineered for industrial and commercial systems requiring stable 30V output at high current density. Universal input acceptance (AC 85-264V, single-phase) combined with selectable cooling modes - convection or forced air - enables deployment across varied thermal environments. The unit delivers 16.5A to

33.5A depending on input voltage and cooling configuration, with peak output reaching 1500W to 1980W. Active filter and forward converter topology achieve IEC61000-3-2 harmonic compliance. Comprehensive protection includes automatic-recovery overcurrent limiting (>101% peak current threshold), built-in overvoltage and thermal shutdown, and inrush current limiting. Adjustable output spans 27.0V to 33.0V. Multiple operational modes - parallel, master-slave, and N+1 redundancy - support system-level reliability through optional modules. Remote ON/OFF control, alarm signaling, and current monitoring are available as field-selectable options. DIN rail mounting accommodates space-constrained installations.

Technical Specifications

Output: 30V, adjustable 27.0–33.0V

Power Rating: 1000W nominal; 1500–1980W peak (input and cooling dependent)

Input: AC 85–264V single-phase (50/60 Hz); DC 120–350V optional

Output Current: 16.5–33.5A continuous; 50–66A peak

Cooling: Convection or forced air with optional fan unit

Protection: Overcurrent (>101% threshold, auto-recovery), overvoltage, thermal shutdown, inrush limiting

Switching Frequency: 130 kHz typical

Input Fuse: 250V, 25A

Circuit Architecture: Active filter, forward converter

Harmonic Attenuation: IEC61000-3-2 compliant

Key Features

Voltage adjustment range 27.0–33.0V accommodates diverse load regulation requirements

Dual thermal modes: convection baseline and forced-air upgrade for high-density applications

Automatic overcurrent recovery eliminates nuisance trips in transient conditions

N+1 and master-slave paralleling for fault tolerance and load sharing

Low-leakage current options available for sensitive equipment

Remote control via isolated 4.5–12.5V signal input

Typical Applications

Industrial process control and PLCs

Telecom infrastructure and distributed power systems

Industrial automation and motor control

Test and measurement systems

Redundant power architectures

Compatibility & Integration

Parallel and redundancy modes require matched output voltage across units; output current in series configuration must remain below the lowest unit's rated current.

Optional remote ON/OFF accepts external 4.5–12.5V logic signals. Alarm and current monitor outputs enable system integration and telemetry.

ADA1000F Characteristics / Specifications

PARAMETER	VALUE
Model	ADA1000F-30
Series	ADA 1000 W
Instrument Type	Enclosed single output AC-DC converter
Input Voltage	85 to 264 Vac
Output Voltage	30 V
Output Current Maximum	20 A
Power Convection	600 W
Power Forced Air	1005 W
Efficiency	88 percent
Isolation Voltage	3 kV
Operating Temperature	-10 C to 71 C with derating
Number Of Outputs	1
Mounting Type	chassis mount
Length	11.02 inches (280.0 mm)
Width	5.00 inches (127.0 mm)
Height	2.95 inches (75.0 mm)
Applications Class	ITE commercial
Features	adjustable output DC input capable PFC universal input
Type	enclosed
Brand	Cosel
Output Voltage Nominal	30 Vdc
Input Type	AC wide range
Cooling Boost	forced air increases available wattage to 1005 W
Derating Temperature High	71 C

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	10 C to 71 C with derating
Operating Temperature	10 C to 71 C with derating
Number Of Outputs	1
Mounting Type	chassis mount
Length	11.02 inches (280.0 mm)
Width	5.00 inches (127.0 mm)
Height	2.95 inches (75.0 mm)
Applications Class	ITE commercial
Features	adjustable output DC input capable PFC universal input
Type	enclosed
Brand	Cosel
Output Voltage Nominal	30 Vdc
Input Type	AC wide range
Cooling Boost	forced air increases available wattage to 1005 W
Derating Temperature High	71 C Notes From published Cosel ADA1000F-30 / ADA1000F-30-U distributor datasheet attribute tables. Expand line/load regulation and ripple from the Cosel ADA1000F instruction manual PDF when available.

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	
Specifications	
PARAMETER	VALUE
Model	ADA1000F-30
Series	ADA 1000 W
Instrument Type	Enclosed single output AC-DC converter
Input Voltage	85 to 264 Vac
Output Voltage	30 V
Output Current Maximum	20 A
Power Convection	600 W
Power Forced Air	1005 W
Efficiency	88 percent
Isolation Voltage	3 kV
Operating Temperature	-10 C to 71 C with derating
Number Of Outputs	1
Mounting Type	chassis mount
Length	11.02 inches (280.0 mm)
Width	5.00 inches (127.0 mm)
Height	2.95 inches (75.0 mm)
Applications Class	ITE commercial
Features	adjustable output DC input capable PFC universal input
Type	enclosed
Brand	Cosel
Output Voltage Nominal	30 Vdc
Input Type	AC wide range
Cooling Boost	forced air increases available wattage to 1005 W
Derating Temperature High	71 C

Notes

From published Cosec ADA1000F-30 / ADA1000F-30-U distributor datasheet attribute tables. Expand line/load regulation and ripple from the Cosec ADA1000F instruction manual PDF when available.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

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