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Data Sheet

August 13, 2026

LAMBDA / TDK

Lambda / TDK / EMI CS250EI

TDK-Lambda CS250EI Sirius 250 W Modular Power Supply (EI Chassis) CS250EI is the TDK-Lambda Sirius CS250 case with fan/connector code EI: dual end fan and IEC inlet with AC on/off switch in a 2 in x 5 in x 10.2 in chassis. CS250 is a 250 W multiple-output modular AC/DC with universal input, PFC, and up to six fully regulated outputs. Minimum load is required on CS (not Flexi CSF) models. Output voltages are set by the main-output and auxiliary-module codes after CS250EI-; a bare CS250EI string does not by itself assign 24 V or 5 V. Sample catalog configuration CS250EI-24 is 24 V at 10 A. CS250EI is the TDK-Lambda Sirius CS250 case with fan/connector code EI: dual end fan and IEC inlet with AC on/off switch in a 2 in x 5 in x 10.2 in chassis. CS250 is a 250 W multiple-output modular AC/DC with universal input, PFC, and up to six fully regulated outputs. Minimum load is required on CS (not Flexi CSF) models. Output voltages are set by the main-output and auxiliary-module codes after CS250EI-; a bare CS250EI string does not by itself assign 24 V or 5 V. Sample catalog configuration CS250EI-24 is 24 V at 10 A. 250 W multi-output OEM DC; IEC inlet industrial chassis; Sirius CS250 MRO when module codes match.



MODEL

**Lambda / TDK
CS250EI**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

CS250EI

LISTING

<https://aumictechlabs.com/products/cs250ei-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The TDK-Lambda EMI CS250EI is a 250 W modular switch-mode power supply engineered for industrial and commercial systems requiring multiple regulated outputs. It combines universal AC input (85–264 VAC, 47–440 Hz) with power factor correction compliant to EN61000-3-2, delivering up to six fully independent outputs with configurable voltage levels. The design integrates comprehensive protection - short-circuit recovery, overvoltage shutdown, and thermal safeguards - alongside remote sense capability on selected outputs. Forced-air cooling and conformal design support operation across 0 °C to +50 °C at full load, with derating from 50 °C to 70 °C.

Technical Specifications

Input AC Input: 85–264 VAC, 47–440 Hz DC Input: 120–340 VDC
Maximum Input Current: 5 A Inrush Current: 5 V outputs) Ripple and Noise: 1% peak-to-peak (>5 V); 50 mV peak-to-peak (≤ 5 V); 70% typical at 230 VAC, full load

Key Features

All outputs short-circuit protected with auto-recovery
Overvoltage protection with automatic shutdown and restart
Over-temperature protection on converter and regulators
Remote sense on main board outputs 1 & 2 and output modules
Leakage current: <800 μ A at 264 VAC, 50 Hz

Typical Applications

Industrial process control, test and measurement systems, distributed power architectures requiring isolated multi-voltage rails.

Compatibility & Integration

Complies with EN55022 (Class B conducted, Class A radiated), FCC Class B/A, UL E135494, CSA LR91780-96, IEC/EN 60950-1, and CE Mark (73/23/EEC). Modular architecture permits custom output module selection. Cooling options include end-mounted or top-mounted fans; customer air versions available.

Features & description

From manufacturer datasheet

Features

- 250 W CS250 with EI dual-end fan and IEC plus AC switch

CS250EI Characteristics / Specifications

PARAMETER	VALUE
Model	CS250EI
Manufacturer	TDK-Lambda
Instrument Type	Modular Multiple Output AC/DC Power Supply
Series	Sirius CS250
Alias	CS250EI; CS250 EI; TDK-Lambda CS250EI; Lambda Sirius CS250EI
Rated Power	250 W
Case Code	CS250 (minimum load required)
Fan Connector Code	EI dual end fan, IEC with AC on/off switch
Chassis Size	2 inHx 5 inWx 10.2 inL AC Input: 85-264 Vac, 47-440 Hz (approvals apply up to 63 Hz)
Input Current	5 A maximum (CS250)
Inrush Current	less than 40 A (CS250)
Efficiency	greater than 70% at 230 Vac and full load
Power Factor	EN61000-3-2 compliant, greater than 0.93 typical (reduced PFC above 254 Vac or 65 Hz)
Hold Up	15 ms minimum at full rated output
Line Load Regulation	50 mV for 3.3 V and 5 V outputs; 3% for outputs greater than 5 V
Ripple Noise	1% pk-pk for outputs greater than 5 V; 50 mV on outputs 5 V and below; 2% pk-pk noise 20 MHz on CS250
Operating Temperature	0 to 50 C full load; derate each output 2.5%/C from 50 to 70 C
Storage Temperature	-40 to +85 C (max 12 months)
Isolation	input to output 4.3 kVdc; input to ground 2.3 kVdc; output to ground 500 Vdc
Switching Frequency	110 kHz PFC converter; 190 kHz output converter
Weight	1270 g class Sirius 250
Safety	UL60950-1, IEC60950-1, CSA22.2 No.60950-1, EN60950-1, CE LVD
Sample CS250EI	24 V, 10 A, adjust 24-28 V (single main output)

PARAMETER	VALUE
Sample CS250EI 24 5 12E	24 V 10 A plus 5 V 5 A (7.5 A peak) plus 12 V 4 A (6 A peak)
Peak Current	modules 150% for 1 minute
EMI Conducted	EN55022 level B, FCC ClassB EMI Radiated: EN55022 level A, FCC ClassA Warranty Catalog: 3 years (series sheet)
Status	Sirius CS250 obsolete path (family sheet notes later obsolescence) Notes CS250EI is the 250 W EI chassis/fan/IEC code. Output rails follow the module string after CS250EI-. Verified sample CS250EI-24 is 24 V 10 A. Do not inventarail set forabare CS250EI nameplate.
Sample CS250EI-24	24 V, 10 A

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	40 to +85 C (max 12 months)
Operating temperature	0 to 50 C full load; derate each output 2.5%/C from 50 to 70 C
Operating Temperature	0 to 50 C full load; derate each output 2.5%/C from 50 to 70 C
Isolation	input to output 4.3 kVdc; input to ground 2.3 kVdc; output to ground 500 Vdc
Switching Frequency	110 kHz PFC converter; 190 kHz output converter
Weight	1270 g class Sirius 250
Safety	UL60950-1, IEC60950-1, CSA22.2 No.60950-1, EN60950-1, CE LVD
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Sample CS250EI 24 5 12E	24 V 10 A plus 5 V 5 A (7.5 A peak) plus 12 V 4 A (6 A peak)
Peak Current	modules 150% for 1 minute
EMI Conducted	EN55022 level B, FCC ClassB EMI Radiated: EN55022 level A, FCC ClassA Warranty Catalog: 3 years (series sheet)
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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	CS250EI
Manufacturer	TDK-Lambda
Instrument Type	Modular Multiple Output AC/DC Power Supply
Specifications	
PARAMETER	VALUE
Series	Sirius CS250
Alias	CS250EI; CS250 EI; TDK-Lambda CS250EI; Lambda Sirius CS250EI
Rated Power	250 W
Specifications	
PARAMETER	VALUE
Case Code	CS250 (minimum load required)
Fan Connector Code	EI dual end fan, IEC with AC on/off switch
Chassis Size	2 inHx 5 inWx 10.2 inL AC Input: 85-264 Vac, 47-440 Hz (approvals apply up to 63 Hz)
Specifications	
PARAMETER	VALUE
Input Current	5 A maximum (CS250)
Inrush Current	less than 40 A (CS250)
Efficiency	greater than 70% at 230 Vac and full load
Specifications	
PARAMETER	VALUE
Power Factor	EN61000-3-2 compliant, greater than 0.93 typical (reduced PFC above 254 Vac or 65 Hz)
Hold Up	15 ms minimum at full rated output

PARAMETER	VALUE
Line Load Regulation	50 mV for 3.3 V and 5 V outputs; 3% for outputs greater than 5 V

Specifications

PARAMETER	VALUE
Ripple Noise	1% pk-pk for outputs greater than 5 V; 50 mV on outputs 5 V and below; 2% pk-pk noise 20 MHz on CS250
Operating Temperature	0 to 50 C full load; derate each output 2.5%/C from 50 to 70 C
Storage Temperature	-40 to +85 C (max 12 months)

Specifications

PARAMETER	VALUE
Isolation	input to output 4.3 kVdc; input to ground 2.3 kVdc; output to ground 500 Vdc
Switching Frequency	110 kHz PFC converter; 190 kHz output converter
Weight	1270 g class Sirius 250

Specifications

PARAMETER	VALUE
Safety	UL60950-1, IEC60950-1, CSA22.2 No.60950-1, EN60950-1, CE LVD
Sample CS250EI 24	24 V, 10 A, adjust 24-28 V (single main output)
Sample CS250EI 24 5 12E	24 V 10 A plus 5 V 5 A (7.5 A peak) plus 12 V 4 A (6 A peak)

Specifications

PARAMETER	VALUE
Peak Current	modules 150% for 1 minute
EMI Conducted	EN55022 level B, FCC ClassB EMI Radiated: EN55022 level A, FCC ClassA Warranty Catalog: 3 years (series sheet)
Status	Sirius CS250 obsolete path (family sheet notes later obsolescence)

Notes

CS250EI is the 250 W EI chassis/fan/IEC code. Output rails follow the module string after CS250EI-. Verified sample CS250EI-24 is 24 V 10 A. Do not inventarail set forabare CS250EI nameplate.

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.