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Data Sheet

August 13, 2026

LAMBDA / TDK / EMI

Lambda / TDK / EMI EMS200-25-2-D

The Lambda/TKD/EMI EMS200-25-2-D is a 200W power supply known for its reliability and solid design. It features a wide input voltage range, providing stable 25V output. Suitable for various industrial applications, this power supply ensures efficient power conversion and protection against overvoltage and short circuits.

**MODEL****Lambda / TDK /
EMI EMS200-25-
2-D****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****EMS200-25-2-D****LISTING**[https://aumictechlabs.c
om/products/ems200-2
5-2-d-2/](https://aumictechlabs.com/products/ems200-25-2-d-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The TDK-Lambda EMS200-25-2-D is a 200W DC power supply engineered for laboratory test and burn-in applications. It delivers stable, adjustable DC voltage and current with constant voltage (CV) and constant current (CC) modes featuring automatic crossover. Built-in protection circuits, including overvoltage, overcurrent, and overtemperature safeguards, ensure reliable operation across demanding test environments. The unit accepts single-phase AC input from 85–265 VAC (47–63 Hz) and reaches up to 89% efficiency. Front-panel voltage and current adjustment knobs enable local control, while remote programming via analog resistance, external DC voltage, or external DC current supports automated test sequences. Standard interfaces accommodate integration with external equipment and test systems. Technical Specifications Output power: 200W at 25V nominal Output current: 8A Input voltage range: 85–265 VAC, single phase, 47–63

Hz Efficiency: Up to 89% Line regulation: <0.1% of maximum output voltage Load regulation (voltage mode): <0.1% of maximum output voltage for 100% load change Load regulation (current mode): <0.1% of maximum output current for 100% load change Stability (8-hour): 0.05% under constant line, load, and temperature Output ripple and noise: RMS ripple approximately 30% of peak-to-peak carrier ripple Key Features Constant voltage/constant current control with automatic crossover Overvoltage protection (standard for models ≤ 300 VDC) Pulse-by-pulse overcurrent limiting with fast recovery Overtemperature protection with LED status indication Soft start standard Analog resistance, external DC voltage, and external DC current remote programming Typical Applications Component and system burn-in testing Laboratory power sourcing Reliability qualification and life testing Compatibility & Integration Remote programming interfaces include analog resistance, external DC voltage, and external DC current inputs. Optional interfaces support USB, RS-232/RS-485, LAN, IEEE 488.2 SCPI, EtherCAT, and Modbus-TCP connectivity.

Features & description

From manufacturer datasheet

Features

- 0 to 200 V, 0 to 25 A, 5000 W

EMS200252D Characteristics / Specifications

PARAMETER	VALUE
Model	EMS200-25-2-D
Manufacturer	Lambda EMI / TDK-Lambda Americas
Instrument Type	Switch Mode Programmable DC Power Supply
Series	EMS
Alias	EMS200-25-2-D; EMS 200-25; EMI EMS200-25; TDK-Lambda EMS200-25
Rated Output Voltage	0 to 200 Vdc
Rated Output Current	0 to 25 A
Rated Output Power	5000 W
Output Mode	constant voltage / constant current automatic crossover
Topology	high-frequency switch-mode EMS family
Voltage Adjust	true zero voltage and current adjustability (EMS family)
Transient Response	650 us class (EMS family literature)
Remote Analog	standard analog programming
Digital Option	RSTL RS-232 / IEEE-488 programmer
Catalog 10T	10-turn current control
Catalog LB	lock bushing
Catalog TC	output terminal covers
Catalog CE	CE mark path on selected AC inputs
Series Parallel	series or parallel master-slave operation
Soft Start	yes
Protection	overcurrent and overvoltage
Form	rackmount
Programming Common	analog programming common with TCR, EMHP, and ESS series
UL Note	U/L recognized on EMS family sheets
Regulation Family	0.1% class EMS literature

PARAMETER	VALUE
Suffix 2 D	EMS option/meter/input coding; D commonly denotes digital/analog meter package
Related Genesys 200 V	GEN 200-25 isaGenesys 5 kW 200 V / 25 A row, not this EMS chassis
Identity Rule	EMS series, not Genesys and not EMHP Notes Specs from TDK/EMI EMS 200-25 decoder (200 V, 25 A, 5000 W) and EMS family datasheet features. Confirm AC input phase and RSTL. Do not mix with Genesys GEN 200-25.

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.

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