Aumictech
Test & measurement · bought, sold, repaired, calibrated

Data Sheet
August 13, 2026

LAMBDA / TDK

Lambda / TDK / EMI EMS13

Lambda EMI EMS13 Series 13 V Switch Mode DC Power Supply Family EMS13 denotes the Lambda EMI / TDK-Lambda EMS 13 V switch-mode family. Verified catalog members include EMS13-75 (13 V, 75 A, 975 W class), EMS13-150 (13 V, 150 A, 1950 W), and EMS 13-200-2-D (13 V, 200 A). All EMS models are CV/CC automatic-crossover switchers with analog programming and optional RSTL digital control. Exact current is on the faceplate after EMS13-. 13 V process, telecom-class, and lab DC; EMS analog-programmed racks. EMS13 denotes the Lambda EMI / TDK-Lambda EMS 13 V switch-mode family. Verified catalog members include EMS13-75 (13 V, 75 A, 975 W class), EMS13-150 (13 V, 150 A, 1950 W), and EMS 13-200-2-D (13 V, 200 A). All EMS models are CV/CC automatic-crossover switchers with analog programming and optional RSTL digital control. Exact current is on the faceplate after EMS13-. 13 V process, telecom-class, and lab DC; EMS analog-programmed racks.

MODEL **Lambda / TDK EMS13**	CALIBRATION **Available on request**
CONDITION **Used**	STATUS **In stock**
RFQ / SKU **EMS13**	LISTING **https://aumictechlabs.com/products/ems13-2/**

NIST-traceable cal · SAM registered · 30-day returns · NAICS 423690 · 811210 · 541380

This unit

The TDK-Lambda EMS13 series comprises high-frequency switching power supplies engineered for laboratory test and burn-in applications. These units deliver precisely regulated, adjustable DC output in either constant voltage or constant current mode with automatic crossover operation. Designed for both single and three-phase input configurations, the EMS13 series combines high efficiency with compact, lightweight packaging while maintaining exceptional load regulation and

transient performance. Technical Specifications Output Regulation Voltage mode: <0.1% deviation across 100% load change (full load to no load) Current mode: <0.1% deviation across 100% load change (full load to short circuit) Soft-start standard on all models - inrush current during turn-on, turn-off, power interruption, or reapplication remains below full-load current levels Operating Environment Continuous duty: 0°C to 70°C with 1% per degree Celsius derating above 50°C Storage temperature: -55°C to +85°C Internal fan cooling Ripple Performance Ripple specifications are model-dependent. Three-phase input configurations achieve approximately 30% of peak-to-peak carrier ripple. Reduced ripple option (40 mV P-P carrier) available on models rated to 40 VDC output via EMS II designation. Key Features Fully programmable via analog interface or optional RSTL digital interface Local programming: voltage and current channels independently adjustable Remote programming: voltage channel via external resistance or 0-10V external voltage; current channel programmable remotely High packaging density with minimal weight Transient response and stability optimized per local programming configuration Typical Applications Laboratory power supplies for component testing Burn-in test environments requiring stable, adjustable output Multi-phase industrial input environments Systems demanding precise current or voltage sourcing with minimal regulation error Compatibility & Integration The EMS13 series integrates with both analog and RSTL digital control systems, enabling flexible configuration in automated test and measurement setups. Single and three-phase input support accommodates diverse facility infrastructures.

EMS13 Characteristics / Specifications

PARAMETER	VALUE
Model	EMS13
Manufacturer	Lambda EMI / TDK-Lambda
Instrument Type	Switch Mode DC Power Supply
Series	EMS
Alias	EMS13; EMS 13; Lambda EMS 13 V
Rated Output Voltage	0 to 13 Vdc (family)
Example EMS13	0-13 V, 0-75 A, 975 W class
Example EMS13 1	0-13 V, 0-150 A, 1950 W (GS Test EMS13-150 row)
Example EMS13 2	0-13 V, 0-200 A (EMS 13-200-2-D)
Rated Output Current	encoded after EMS13- on the faceplate
Output Mode	CV/CC automatic crossover
Topology	high-frequency switch-mode
Voltage Adjust	true zero V/I adjustability
Remote Analog	standard
Digital Option	RSTL RS-232/IEEE-488
Series Parallel	master-slave
Soft Start	yes
Protection	OCP and OVP
Programming Common	TCR, EMHP, ESS analog class
Form	rackmount
Regulation Family	0.1% class EMS literature
Transient Family	650 us class EMS literature
UL Note	U/L recognized family
Cooling	forced air rack EMS
Catalog Options	10T, LB, TC, CE on EMS family sheets

PARAMETER	VALUE
Duty	continuous within EMS ratings
Identity Rule	13 V isaspecial EMS voltage; do not relabel as 10 V or 12 V Notes EMS13 is a 13 V family listing. Current and wattage are faceplate-specific. Verified members are EMS13-75, EMS13-150, and EMS 13-200-2-D. Do not inventacurrent if the faceplate is unread.
Verified members	EMS13-75, EMS13-150, EMS 13-200-2-D

EMS13 Specifications

PARAMETER	VALUE
Applications	13 V process, telecom-class, and lab DC; EMS analog-programmed racks.
Key Features	- 13 V EMS switch-mode family
Technical Specifications	Model: EMS13

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	EMS13
Manufacturer	Lambda EMI / TDK-Lambda
Instrument Type	Switch Mode DC Power Supply

Specifications

PARAMETER	VALUE
Series	EMS
Alias	EMS13; EMS 13; Lambda EMS 13 V
Rated Output Voltage	0 to 13 Vdc (family)

Specifications

PARAMETER	VALUE
Example EMS13 75	0-13 V, 0-75 A, 975 W class
Example EMS13 150	0-13 V, 0-150 A, 1950 W (GS Test EMS13-150 row)
Example EMS13 200	0-13 V, 0-200 A (EMS 13-200-2-D)

Specifications

PARAMETER	VALUE
Rated Output Current	encoded after EMS13- on the faceplate
Output Mode	CV/CC automatic crossover
Topology	high-frequency switch-mode

Specifications

PARAMETER	VALUE
Voltage Adjust	true zero V/I adjustability
Remote Analog	standard
Digital Option	RSTL RS-232/IEEE-488

Specifications

PARAMETER	VALUE
Series Parallel	master-slave
Soft Start	yes
Protection	OCP and OVP

Specifications

PARAMETER	VALUE
Programming Common	TCR, EMHP, ESS analog class
Form	rackmount
Regulation Family	0.1% class EMS literature

Specifications

PARAMETER	VALUE
Transient Family	650 us class EMS literature
UL Note	U/L recognized family
Cooling	forced air rack EMS

Specifications

PARAMETER	VALUE
Catalog Options	10T, LB, TC, CE on EMS family sheets
Duty	continuous within EMS ratings
Identity Rule	13 V isaspecial EMS voltage; do not relabel as 10 V or 12 V

Notes

EMS13 is a 13 V family listing. Current and wattage are faceplate-specific. Verified members are EMS13-75, EMS13-150, and EMS 13-200-2-D. Do not inventacurrent if the faceplate is unread.

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 13, 2026