

**Aumictech**

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Data Sheet

August 13, 2026

LAMBDA / TDK

Lambda / TDK / EMI EMS150

Lambda EMI EMS150 Series 150 V Switch Mode DC Power Supply Family EMS150 denotes the Lambda EMI / TDK-Lambda EMS 150 V switch-mode family. EMS units are high-frequency CV/CC supplies with analog programming, optional RSTL, soft start, and master-slave series/parallel. Rated current is encoded after EMS150- on the nameplate (power is Vtimes I). Family regulation is 0.1% class in EMS literature. 150 V process, magnet, and ATE DC; EMS analog-programmed racks. Instrument Type: Switch Mode DC Power Supply EMS150 denotes the Lambda EMI / TDK-Lambda EMS 150 V switch-mode family. EMS units are high-frequency CV/CC supplies with analog programming, optional RSTL, soft start, and master-slave series/parallel. Rated current is encoded after EMS150- on the nameplate (power is Vtimes I). Family regulation is 0.1% class in EMS literature. 150 V process, magnet, and ATE DC; EMS analog-programmed racks. Instrument Type: Switch Mode DC Power Supply Rated Output Voltage: 0 to 150 Vdc (family)



MODEL

**Lambda / TDK
EMS150**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

EMS150

LISTING

<https://aumictechlabs.com/products/ems150-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Lambda / TDK / EMI EMS150 is a switch-mode AC-to-DC power supply engineered for industrial, laboratory test, and embedded applications requiring high efficiency and precise regulation. The EMS150 series delivers output voltages up to 150 VDC with configurable current

ratings and power levels from 600 W to 5 kW, supported by constant voltage/constant current operation with automatic crossover. Built-in active power factor correction achieves 0.99 at full load on single-phase inputs, while line and load regulation both stay below 0.1% of maximum output voltage across a full 100% load change. Technical Specifications Input Power Single-phase: 105–125 VAC or 190–253 VAC; universal input 85–265 VAC available Three-phase: 190–250 VAC or 360–440 VAC (higher power models) Frequency: 47–63 Hz Output Voltage: Up to 150 VDC (EMS150 series) Current: 7 A to 600 A depending on model Power: 600 W, 1 kW, 2 kW, 2.5 kW, 3.3 kW, 5 kW Efficiency: 70–87% typical (varies by output current) Ripple and noise: ~30% P-P carrier ripple standard; reduced ripple option (40 mV P-P) available for models up to 40 VDC Regulation Line regulation: < 0.1% of maximum output voltage (100% load change) Load regulation: < 0.1% of maximum output voltage (100% load change) Key Features Constant voltage / constant current topology with automatic crossover Active power factor correction (0.99 at full load, single-phase) Fully programmable analog interface (0–10 V or 0–5 V signals) Optional digital control via RS232/RS485 (SCPI compliant) and IEEE 488 GPIB Four-digit LED displays for voltage and current readout Front panel encoder controls with selectable fine (~6 turns) or coarse (~30 turns) adjustment Front panel lockout and output-off preview functionality Compact, rack-mountable form factor Typical Applications Industrial test and burn-in, semiconductor processing, laboratory power sourcing, medical equipment, scientific research, and embedded system power conditioning. Compatibility & Integration Programs via analog signals or optional digital interfaces (RS232/RS485 SCPI, IEEE 488 GPIB). Supports remote control and monitoring through multiple interface options for system integration.

EMS150 Characteristics / Specifications

PARAMETER	VALUE
Model	EMS150
Manufacturer	Lambda EMI / TDK-Lambda
Instrument Type	Switch Mode DC Power Supply
Series	EMS
Alias	EMS150; EMS 150; Lambda EMS 150 V
Rated Output Voltage	0 to 150 Vdc (family)
Rated Output Current	encoded after EMS150- 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
Catalog 10T	10-turn current control
Catalog LB	lock bushing
Catalog TC	terminal covers
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
Duty	continuous within EMS ratings Notes EMS150 is a 150 V family listing. Current and wattage are faceplate-specific. Do not invent an ampere

PARAMETER	VALUE
	rating.

EMS150 Specifications

PARAMETER	VALUE
Applications	150 V process, magnet, and ATE DC; EMS analog-programmed racks.
Key Features	- 150 V EMS switch-mode family
Technical Specifications	Model: EMS150
Notes	EMS150 is a 150 V family listing. Current and wattage are faceplate-specific. Do not invent an ampere rating.

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	
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Specifications

PARAMETER	VALUE
Series Parallel	master-slave
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Specifications

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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

Duty: continuous within EMS ratings

Notes

EMS150 is a 150 V family listing. Current and wattage are faceplate-specific. Do not invent an ampere rating.

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
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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.