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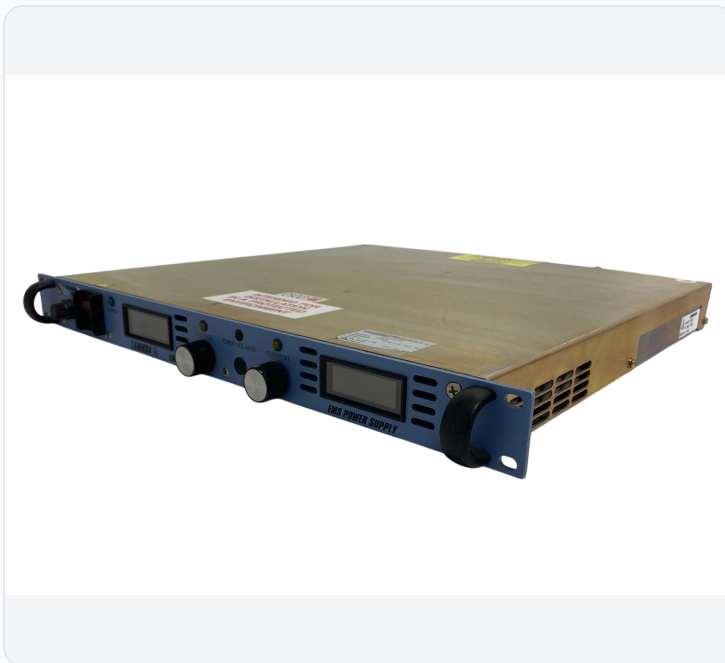
Data Sheet

August 13, 2026

LAMBDA / TDK

Lambda / TDK / EMI EMS600-1.6-1-D

Lambda / TDK DC Power Supplies. Voltage: ** 600 V, Current: ** 1.6 A, Voltage: ** 105–125 VAC (47–63 Hz).

**MODEL****Lambda / TDK
EMS600-1.6-1-D****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****EMS600-1.6-1-D****LISTING**<https://aumictechlabs.com/products/ems600-1-6-1-d-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Lambda/TDK EMI EMS600-1.6-1-D is a 600 W programmable DC power supply delivering 600 V at 1.6 A output. Built for laboratory testing, burn-in applications, and system integration, this unit operates as a constant voltage/constant current source with automatic crossover between modes. Precision regulation, efficient power conversion, and comprehensive protection make it suitable for demanding test environments where EMI compliance is required. Technical Specifications Output Power: 600 W Output Voltage: 600 V Output Current: 1.6 A Input Voltage: 105–125 VAC (47–63 Hz) Line Regulation: <0.1% of maximum rated output Load Regulation (Voltage Mode): <0.1% of maximum output voltage across 100% load change Load Regulation (Current Mode): <0.1% of maximum output current across 100% load change Transient Response: Output current deviation <0.1% of maximum during 100% load change Efficiency: 70% to 87% Overcurrent Protection: Adjustable current limit Remote Sense: Standard AC Inrush Current: Soft start reduces input line current below full-load specification during turn-on, turn-off, and power reapplication Operating Temperature: 0 °C to +70 °C (1%/°C derating required above 50 °C)

Storage Temperature: -55 °C to +85 °C Key Features Constant Voltage and Constant Current modes with automatic crossover Output nulling capability Fully programmable via analog interface or optional RSTL digital control Remote programming by external resistance (voltage mode) or 0–10 V external voltage Rear panel D-connector for programming and control Integral cooling fan Overvoltage Protection standard on outputs ≤ 300 V DC Typical Applications Laboratory power testing, component burn-in, system integration, and applications requiring precise voltage and current regulation with EMI compliance consideration. Compatibility & Integration Supports series and parallel operation for expanded power delivery. Benchtop and 19" rack-mount configurations available.

EMS600161D Characteristics / Specifications

PARAMETER	VALUE
Model	EMS600-1.6-1-D
Manufacturer	Lambda EMI / TDK-Lambda Americas
Instrument Type	Switch Mode Programmable DC Power Supply
Series	EMS
Alias	EMS600-1.6-1-D; EMI EMS600-1.6-1-D; TDK-Lambda EMS600-1.6-1-D; EMS600-1.6
Rated Output Voltage	0 to 600 Vdc
Rated Output Current	0 to 1.6 A
Rated Output Power	960 W (some listings 1000 W class)
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	0.1 percent

PARAMETER	VALUE
Ripple	250 mV p-p (EMS600-1.6-2-D rental sheet)
AC Input Example	190-253 Vac 47-63 Hz single phase (EMS600-1.6-2-D sheet)
Suffix 1 D	EMS option/meter/input coding; D commonly denotes digital/analog meter package on EMI orders
Related Dash 2 D	EMS600-1.6-2-D is the same V/I class withadifferent input/option dash

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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Notes

Specs from TDK-Lambda EMS 600-1.6 (600 V, 1.6 A, 960 W) and ATE EMS600-1.6-2-D sheet (0.1 percent regulation, 250 mV p-p, 190-253 Vac). This listing is EMS600-1.6-1-D; confirm dash 1 vs 2 AC/input option on the nameplate. Sister file lambda-ems600-1-6.txt also exists for hyphenated slug match.

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.