

**Aumictech**

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Data Sheet

August 13, 2026

LAMBDA / TDK

Lambda / TDK / EMI EMS60

Lambda EMI EMS60 Series 60 V Switch Mode DC Power Supply Family EMS60 denotes the Lambda EMI / TDK-Lambda EMS 60 V switch-mode family. Verified catalog members include EMS 60-10 (0 to 60 V, 0 to 10 A, 600 W), EMS60-33 (0 to 60 V, 0 to 33 A, 1980 W), and EMS60-40 (0 to 60 V, 0 to 40 A, 2400 W). All EMS models are CV/CC automatic-crossover switchers with analog programming and optional RSTL digital control. Exact current is on the faceplate after EMS60-. 60 V process, magnet, and ATE DC; EMS analog-programmed racks. EMS60 denotes the Lambda EMI / TDK-Lambda EMS 60 V switch-mode family. Verified catalog members include EMS 60-10 (0 to 60 V, 0 to 10 A, 600 W), EMS60-33 (0 to 60 V, 0 to 33 A, 1980 W), and EMS60-40 (0 to 60 V, 0 to 40 A, 2400 W). All EMS models are CV/CC automatic-crossover switchers with analog programming and optional RSTL digital control. Exact current is on the faceplate after EMS60-. 60 V process, magnet, and ATE DC; EMS analog-programmed racks.



MODEL

**Lambda / TDK
EMS60**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

EMS60

LISTING

<https://aumictechlabs.com/products/ems60-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The TDK-Lambda EMS60 series is an enclosed AC-DC power supply engineered for industrial and medical applications requiring high reliability and compact power delivery. These units deliver up to 600W across a range of output configurations, supported by universal AC input, active power factor correction, and integrated protection circuits. Built-in soft start limits inrush current, while

CV/CC operation with automatic crossover handles both constant voltage and constant current loads. Programmable via analog control or optional RSTL digital interface, the EMS60 maintains tight line and load regulation of 0.1% each, with typical carrier ripple of 75 mV P-P (40 mV P-P available on select models). Internal cooling fans enable continuous operation from 0°C to 70°C ambient, with 1% per degree Celsius derating above 50°C. Technical Specifications Output Power: Up to 600W across multiple configurations (EMS 60-10, EMS 60-18, EMS 60-33, EMS 60-40) AC Input: 105–125 VAC / 190–253 VAC, 47–63 Hz, single phase; three-phase options available for higher power variants Input Current: 11.3A @ 105–125 VAC; 6.3A @ 190–253 VAC Output Voltage: 60 VDC (model-dependent configurations) Output Current Range: 10A, 18A, 33A, 40A per model Line Regulation: 0.1% Load Regulation: 0.1% Ripple (P-P Carrier): Typically 75 mV; 40 mV P-P option on select models Operating Temperature: 0°C to 70°C continuous; storage –55°C to +85°C Isolation (1 minute, 20 mA limit): Input to Output 4.0 kVAC; Input to PE 2.0 kVAC; Output to PE 1.5 kVAC Isolation Resistance: >100 MΩ @ 500 VDC (Output to PE) Key Features Soft start protection standard across all models Overvoltage, overcurrent, and overtemperature protection Analog or digital (RSTL) programming options U/L Recognized certification High power density, lightweight enclosed design Typical Applications Industrial automation, precision test equipment, medical instrumentation, and laboratory power systems. Compatibility & Integration Analog programming interfaces accommodate potentiometer-based control. Optional RSTL digital interface enables networked operation and telemetry in automated test environments.

EMS60 Characteristics / Specifications

PARAMETER	VALUE
Model	EMS60
Manufacturer	Lambda EMI / TDK-Lambda
Instrument Type	Switch Mode DC Power Supply
Series	EMS
Alias	EMS60; EMS 60; Lambda EMS 60 V; EMS 60-10; EMS60-33; EMS60-40
Rated Output Voltage	0 to 60 Vdc (family)
Example EMS60	0-60 V, 0-10 A, 600 W (EMS 60-10)
Rated Output Current	encoded after EMS60- on the faceplate
Rated Power Class	60 V times nameplate amperes
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	output terminal covers
Catalog CE	CE mark path on selected AC inputs
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

PARAMETER	VALUE
UL Note	U/L recognized family
Cooling	forced air rack EMS
Duty	continuous within EMS ratings
Identity Rule	do not copy EMS80-30 (80 V, 30 A) onto this 60 V family Notes EMS60 is a 60 V family listing. Current and wattage are faceplate-specific except the verified EMS 60-10, EMS60-33, and EMS60-40 rows. Do not inventacurrent if the faceplate is unread.
Verified members	10 A / 600 W, 33 A / 1980 W, 40 A / 2400 W

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	EMS60
Manufacturer	Lambda EMI / TDK-Lambda
Instrument Type	Switch Mode DC Power Supply
Specifications	
PARAMETER	VALUE
Series	EMS
Alias	EMS60; EMS 60; Lambda EMS 60 V; EMS 60-10; EMS60-33; EMS60-40
Rated Output Voltage	0 to 60 Vdc (family)
Specifications	
PARAMETER	VALUE
Example EMS60 10	0-60 V, 0-10 A, 600 W (EMS 60-10)
Example EMS60 33	0-60 V, 0-33 A, 1980 W (EMS60-33)
Example EMS60 40	0-60 V, 0-40 A, 2400 W (EMS60-40)
Specifications	
PARAMETER	VALUE
Rated Output Current	encoded after EMS60- on the faceplate
Rated Power Class	60 V times nameplate amperes
Output Mode	CV/CC automatic crossover
Specifications	
PARAMETER	VALUE
Topology	high-frequency switch-mode
Voltage Adjust	true zero V/I adjustability
Remote Analog	standard

Specifications

PARAMETER	VALUE
Digital Option	RSTL RS-232/IEEE-488
Catalog 10T	10-turn current control
Catalog LB	lock bushing

Specifications

PARAMETER	VALUE
Catalog TC	output terminal covers
Catalog CE	CE mark path on selected AC inputs
Series Parallel	master-slave

Specifications

PARAMETER	VALUE
Soft Start	yes
Protection	OCP and OVP
Programming Common	TCR, EMHP, ESS analog class

Specifications

PARAMETER	VALUE
Form	rackmount
Regulation Family	0.1% class EMS literature
Transient Family	650 us class EMS literature

Specifications

PARAMETER	VALUE
UL Note	U/L recognized family
Cooling	forced air rack EMS
Duty	continuous within EMS ratings

Identity Rule: do not copy EMS80-30 (80 V, 30 A) onto this 60 V family

Notes

EMS60 is a 60 V family listing. Current and wattage are faceplate-specific except the verified EMS 60-10, EMS60-33, and EMS60-40 rows. Do not invent current 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

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<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
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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.