

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

LAMBDA / TDK / EMI

Lambda / TDK / EMI ESS60-250-11

The Lambda / TDK / EMI ESS60-250-11 is a reliable power supply designed for various electronic applications. It provides stable and efficient power conversion, ensuring optimal performance of connected devices. Ideal for industrial and commercial use.

**MODEL****Lambda / TDK /
EMI ESS60-250-11****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****ESS60-250-11****LISTING**<https://aumictechlabs.com/products/ess60-250-11-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The ESS60-250-11 is a 15 kW programmable DC power supply delivering 0–60 VDC at 0–250 A for high-current industrial and laboratory applications. Built on the ESS Series platform, this unit has constant voltage and constant current operation with automatic crossover, pulse-by-pulse current limiting, and adjustable overvoltage protection. Fast transient response, tight load regulation, and comprehensive front-panel metering make it suitable for RF amplifiers, DC motor testing, and magnetic coil excitation where reliable high-current performance is essential. Technical Specifications Output Performance Output voltage: 0–60 VDC Output current: 0–250 A Power output: 15 kW Line regulation (CV/CC): $\leq 0.1\%$ Load regulation (CV): $\leq 0.1\%$ for 0–100% load change Load regulation (CC): $\leq 0.1\%$ for 0–100% voltage change Stability (8-hour period): $\pm 0.05\%$ of rated output Temperature coefficient (voltage): 0.02% per °C Temperature coefficient (current): 0.03% per °C Ripple and noise: 50–300 mV peak-to-peak Response time: $< 650 \mu\text{s}$ at 20 V nominal; scales by $V_{\text{max}}/20$ for higher voltage models Input & Power Quality Input voltage: 180–

480 VAC single-phase or three-phase (field-selectable) Frequency: 50/60 Hz Efficiency: 85–91% Power factor: ≥ 0.9 Key Features Automatic CV/CC crossover for seamless mode switching Adjustable front-panel overvoltage protection (OVP) Adjustable current limit with pulse-by-pulse response Failsafe soft-start circuit Dual ten-turn potentiometers for voltage and current adjustment Simultaneous front-panel metering of voltage and current (analog or digital) Status indicators for overvoltage, inverter failure, phase loss, and control failure UL-listed primary circuit breaker Analog programming interface on rear panel Optional RS-232/IEEE 488 interface for remote control and monitoring Typical Applications RF amplifier power conditioning DC motor characterization and testing Magnetic coil and electromagnet excitation High-current load simulation Compatibility & Integration The ESS60-250-11 accepts 180–480 VAC input (single or three-phase, 50/60 Hz); configurations above 380 VAC may require 5-wire architecture. Remote digital control is available via optional RS-232/IEEE 488 connectivity. Note: TDK-Lambda recommends the Genesys™ or GENESYS+™ series for new designs.

Features & description

From manufacturer datasheet

Features

- 0 to 60 V, 0 to 250 A, 15000 W class

ESS60250 Characteristics / Specifications

PARAMETER	VALUE
Model	ESS60-250-11
Manufacturer	Lambda EMI / TDK-Lambda
Instrument Type	High Power DC Power Supply
Series	ESS
Alias	ESS60-250-11; ESS 60-250; EMI ESS60-250
Rated Output Voltage	0 to 60 Vdc
Rated Output Current	0 to 250 A
Rated Power Class	15000 W (60 V x 250 A)
Output Mode	CV/CC automatic crossover
Programming Common	TCR, EMS, EMHP analog class
Ripple Listing	75 mV class on some ESS 60-250 descriptions; confirm OEM sheet
Suffix	EMI option/input/meter dash code; confirm against the nameplate
Form	high-power rack or cabinet
Cooling	forced air class ESS
Remote Program	analog resistance/voltage/current class
Digital Optional	RSTL / IEEE-488 class on EMI high-power options
Protection	overcurrent and overvoltage class
Meters	front-panel V and I metering
AC Input	three-phase high-power ESS; confirm 208/480 Vac on the nameplate
Duty	continuous high-power DC source
Related Genesys 60 V	Genesys 10 kW GEN 60-167 and 15 kW GEN 60-250 are different product lines
Identity	ESS series, not Genesys and not EMHP 60-330 Notes Verified V/I is 60 V / 250 A (15 kW class) from ESS60-250 listings. Ripple 75 mV appears on some reseller sheets; prefer the ESS OEM datasheet on the unit. Confirm suffix 11 meaning on the nameplate.

ESS60250 Specifications

PARAMETER	VALUE
Applications	15 kW class 60 V process and magnet DC; ESS cabinet MRO; analog-programmed high-current racks.
Key Features	- 0 to 60 V, 0 to 250 A, 15000 W class
Technical Specifications	Model: ESS60-250-11

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	ESS60-250-11
Manufacturer	Lambda EMI / TDK-Lambda
Instrument Type	High Power DC Power Supply
Specifications	
PARAMETER	VALUE
Series	ESS
Alias	ESS60-250-11; ESS 60-250; EMI ESS60-250
Rated Output Voltage	0 to 60 Vdc
Specifications	
PARAMETER	VALUE
Rated Output Current	0 to 250 A
Rated Power Class	15000 W (60 V x 250 A)
Output Mode	CV/CC automatic crossover
Specifications	
PARAMETER	VALUE
Programming Common	TCR, EMS, EMHP analog class
Ripple Listing	75 mV class on some ESS 60-250 descriptions; confirm OEM sheet
Suffix 11	EMI option/input/meter dash code; confirm against the nameplate
Specifications	
PARAMETER	VALUE
Form	high-power rack or cabinet
Cooling	forced air class ESS
Remote Program	analog resistance/voltage/current class

Specifications

PARAMETER	VALUE
Digital Optional	RSTL / IEEE-488 class on EMI high-power options
Protection	overcurrent and overvoltage class
Meters	front-panelVandImetering

Specifications

PARAMETER	VALUE
AC Input	three-phase high-power ESS; confirm 208/480 Vac on the nameplate
Duty	continuous high-power DC source
Related Genesys 60 V	Genesys 10 kW GEN 60-167 and 15 kW GEN 60-250 are different product lines

Identity: ESS series, not Genesys and not EMHP 60-330

Notes

Verified V/I is 60 V / 250 A (15 kW class) from ESS60-250 listings. Ripple 75 mV appears on some reseller sheets; prefer the ESS OEM datasheet on the unit. Confirm suffix 11 meaning on the nameplate.

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

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