

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

LAMBDA / TDK / EMI

Lambda / TDK / EMI EMHP300-60-D-41212

Aumictech offers NIST-traceable calibration and repair for the Lambda / TDK / EMI EMHP300-60-D-41212. All calibrations are performed to NIST-traceable standards and ship with a certificate. Turnaround is typically 1–3 business days after receipt. This Lambda / TDK / EMI EMHP300-60-D-41212 is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multiple units. NIST-traceable calibration for the Lambda / TDK / EMI EMHP300-60-D-41212 is (standard — pass/fail certificate and calibration sticker) or (full measured data at every test point, reference standards documented, traceability chain included). Turnaround is 1 to 3 business days after receipt. See full calibration details →

**MODEL****Lambda / TDK /
EMI EMHP300-60-
D-41212****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****EMHP300-60-D-
41212****LISTING**[https://aumictechlabs.c
om/products/emhp300
-60-d-41212-2/](https://aumictechlabs.com/products/emhp300-60-d-41212-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Lambda EMHP300-60-D-41212 is a solid and reliable AC-DC power supply stable and efficient power for industrial and commercial applications. It features a universal AC input, active power factor correction, and a highly regulated DC output. The EMHP series is known for its high efficiency, compact size, and comprehensive protection features, including overvoltage,

overcurrent, and overtemperature protection. It is automation equipment, test and measurement instruments, and other demanding applications requiring a reliable power source.

Features & description

From manufacturer datasheet

Features

- 0 to 300 V, 0 to 60 A, 20 kW class

EMHP30060D41212 Characteristics / Specifications

PARAMETER	VALUE
Model	EMHP300-60-D-41212
Manufacturer	Lambda EMI / TDK-Lambda Americas
Instrument Type	High Power SCR DC Power Supply
Series	EMHP
Alias	EMHP300-60-D-41212; EMI EMHP300-60-D-41212; TDK-Lambda EMHP300-60-D-41212
Rated Output Voltage	0 to 300 Vdc
Rated Output Current	0 to 60 A
Rated Power	20 kW maximum class
Output Ripple RMS	300 mVrms (60 Hz ripple column)
Frame Class	Size 1 up to 20 kW
Topology	SCR phase control on transformer primary; rectified and L/C filtered DC
Output Mode	constant voltage / constant current automatic crossover
Regulation	0.1% line and load (within ratings)
Stability	0.05% for 8 hours with constant external effects
Transient	recover to within 1% of final value within 200 ms for 50-100% load class (EMHP datasheet)
Operating Temperature	0 to 50 C; derate above 50 C
AC Input Standard	440/480 Vac three phase 60 Hz; optional inputs available
Softstart	AC inrush softstart
Cooling	forced air
Protection	overvoltage, overtemperature, overcurrent
Remote Program	resistance, voltage, and current programming standard
Analog Optional	0-5 V and 0-10 V
Digital Optional	RS-232 and IEEE-488

PARAMETER	VALUE
Meters	analog or digital meter packages (D suffix commonly digital/analog meter type)
Mechanical Size	34.625 inHx 27.5 inWx 29.25 in D, 750-900 lb (30 kW class)
Interlock	contactor on/off interlock control
RFI	built-in RFI protection
Agency	not recommended for new designs; TDK points to Genesys / GENESYS+
Order String	EMHP 300-60-D-41212 (voltage-current-meter-special program)
Meter Type D	meter package per EMI ordering (D on the string)
Special Program	41212 factory special programming suffix; confirm against the installed rear interface Notes Specs from TDK-Lambda EMHP series table and EMHP datasheet (regulation 0.1%, stability 0.05%, 440/480 Vac 3-ph 60 Hz). Confirm meter type D, AC input option, and special program suffix (example 41212) on the nameplate.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 to 50 C; derate above 50 C
Operating Temperature	0 to 50 C; derate above 50 C
AC Input Standard	440/480 Vac three phase 60 Hz; optional inputs available
Softstart	AC inrush softstart
Cooling	forced air
Protection	overvoltage, overtemperature, overcurrent
Remote Program	resistance, voltage, and current programming standard
Analog Optional	0-5 V and 0-10 V
Digital Optional	RS-232 and IEEE-488
Meters	analog or digital meter packages (D suffix commonly digital/analog meter type)
Mechanical Size	34.625 inHx 27.5 inWx 29.25 in D, 750-900 lb (30 kW class)
Interlock	contactor on/off interlock control
RFI	built-in RFI protection
Agency	not recommended for new designs; TDK points to Genesys / GENESYS+
Order String	EMHP 300-60-D-41212 (voltage-current-meter-special program)
Meter Type D	meter package per EMI ordering (D on the string)
Special Program	41212 factory special programming suffix; confirm against the installed rear interface Notes Specs from TDK-Lambda EMHP series table and EMHP datasheet (regulation 0.1%, stability 0.05%, 440/480 Vac 3-ph 60 Hz). Confirm meter type D, AC input option, and special program suffix (example 41212) on the nameplate.

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	EMHP300-60-D-41212
Manufacturer	Lambda EMI / TDK-Lambda Americas
Instrument Type	High Power SCR DC Power Supply
Specifications	
PARAMETER	VALUE
Series	EMHP
Alias	EMHP300-60-D-41212; EMI EMHP300-60-D-41212; TDK-Lambda EMHP300-60-D-41212
Rated Output Voltage	0 to 300 Vdc
Specifications	
PARAMETER	VALUE
Rated Output Current	0 to 60 A
Rated Power	20 kW maximum class
Output Ripple RMS	300 mVrms (60 Hz ripple column)
Specifications	
PARAMETER	VALUE
Frame Class	Size 1 up to 20 kW
Topology	SCR phase control on transformer primary; rectified and L/C filtered DC
Output Mode	constant voltage / constant current automatic crossover
Specifications	
PARAMETER	VALUE
Regulation	0.1% line and load (within ratings)
Stability	0.05% for 8 hours with constant external effects

PARAMETER	VALUE
Transient	recover to within 1% of final value within 200 ms for 50-100% load class (EMHP datasheet)

Specifications

PARAMETER	VALUE
Operating Temperature	0 to 50 C; derate above 50 C
AC Input Standard	440/480 Vac three phase 60 Hz; optional inputs available
Softstart	AC inrush softstart

Specifications

PARAMETER	VALUE
Cooling	forced air
Protection	overvoltage, overtemperature, overcurrent
Remote Program	resistance, voltage, and current programming standard

Specifications

PARAMETER	VALUE
Analog Optional	0-5 V and 0-10 V
Digital Optional	RS-232 and IEEE-488
Meters	analog or digital meter packages (D suffix commonly digital/analog meter type)

Specifications

PARAMETER	VALUE
Mechanical Size 1	30 inHx 22.25 inWx 27.75 in D, 500-750 lb (20 kW class)
Mechanical Size 2	34.625 inHx 27.5 inWx 29.25 in D, 750-900 lb (30 kW class)
Mechanical Size 3	44.5 inHx 27.5 inWx 33.25 in D, 1000-1500 lb (60 kW class)

Specifications

PARAMETER	VALUE
Interlock	contactor on/off interlock control
RFI	built-in RFI protection
Agency	not recommended for new designs; TDK points to Genesys / GENESYS+

Specifications

PARAMETER	VALUE
Order String	EMHP 300-60-D-41212 (voltage-current-meter-special program)
Meter Type D	meter package per EMI ordering (D on the string)
Special Program	41212 factory special programming suffix; confirm against the installed rear interface

Notes

Specs from TDK-Lambda EMHP series table and EMHP datasheet (regulation 0.1%, stability 0.05%, 440/480 Vac 3-ph 60 Hz). Confirm meter type D, AC input option, and special program suffix (example 41212) 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.