

Precision High Voltage to Meet and Exceed Your Mass Spectrometry Requirements



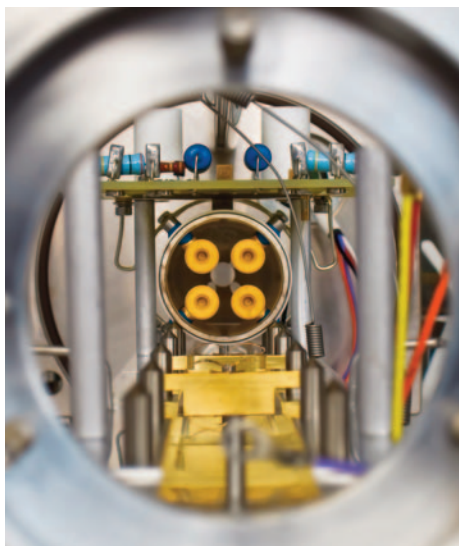
APCI ESI DART DRIFT TUBE MIRRORS LENSES
ACCELERATION PUSHERS EM DYNODES MCP



spellmanhv.com/MassSpec

Precision High Voltage Power Supplies for Mass Spectrometry applications

APCI ESI DART DRIFT TUBE MIRRORS LENSES ACCELERATION PUSHERS



We offer a wide variety of standard and custom high voltage solutions to meet your Mass Spectrometry requirements.

For over 75 years, Spellman has been helping technology companies grow by providing standard and custom high voltage power converters, X-Ray generators and Monoblock® X-Ray sources of exceptional value and performance. We strive to support our customers' goals by continually improving and aligning our procedures, processes and global infrastructure.

Mass Spectrometry Power Supplies

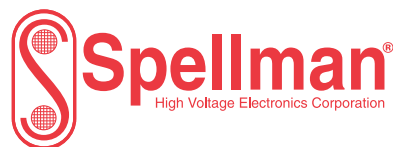
Precision high voltage is an integral part of high performance mass spectrometer instruments. Spellman offers an extensive portfolio of standard and customized high voltage solutions, providing ppm level performance throughout the instrument architecture. Discreet modules through to complex integrated multiple output supplies are available, with both analog and digital interfaces. Spellman's extensive application knowledge and unique design capabilities enable the development of exacting products that meet the ever-increasing demands required for Mass Spectrometry.

Learn more about how stable, low noise, precision high voltage is critical to Mass Spectrometry performance: asktheexperts-ms@spellmanhv.com

- Ripple specs as low as 2ppm
- Ultra low temperature coefficient
- Fast polarity reversal and settling times
- Customizable for OEM applications
- Wide range of control options
- Compact footprints and mounting solutions
- Innovative high voltage solutions through continuous research and development
- Global technical support centers provide rapid local response to customer needs

For detailed specifications on all of our Mass Spectrometry power supplies please visit:

spellmanhv.com/MassSpec



General Purpose - Precision Fixed Polarity

High reliability and performance, single output fixed polarity and compact footprint make these power supplies the right choice where versatile high voltage is required.

MS Series	0.3—3kV	3W
MPS Series	1—30kV	10W
MPS20W Series	1—20kV	20W



MS



MPS



MPS20W

Ultra Compact - Fixed Polarity

Fixed polarity single output PCB mount modules providing excellent performance in a wide power rating and an ultra compact footprint.

UM Series	0.062—6kV	4—30W
UM8-40 Series	8—40kV	4—30W
UMW Series	8—20kV	60—125W



UM



UM8-40



UMW

High Performance - Fixed Polarity

Exceptionally low ripple and noise and a comprehensive range of control options make these units key in pushing the boundaries of Mass Spectrometry precision.

MSA Series	1—3kV	0.9W
PMT Series	0.5—7.5kV	1.9—4W
MPD Series	1—30kV	10W



MSA



PMT



MPD

General Purpose - Reversible Polarity

Versatile high performance electronically switchable polarity reversible units.

MX2.5	2.5kV	0.15W
MX10	10kV	1W
MX20	20kV	2W
CZE1000R	30kV	9W
CZE2000 Series	5—30kV	10W



MX2.5



MX10



MX20



CZE1000R



CZE2000

Fast Reversible Polarity

Compact modules with polarity reversing within 25 ms. MX8 Plus: ideally suited for ESI and APCI source applications. MX10 Plus: fixed voltage, ideally suited for dynode/EM detector applications.

MX8Plus	8kV	0.8W
MX10Plus	10kV	0.1W



MX8Plus



MX10Plus

High Performance - Reversible Polarity

Precision reversible polarity units with ultra low ripple and noise and excellent temperature coefficient, ideally suited for MALDI TOF as well as general mass spec applications.

MXE Series	2.5—10kV	0.5—2W
MXR Series	20—30kV	6—9W
TOF3000	30kV	12W



MXE



MXR



TOF3000

Fixed Rail Compact - Multiple Outputs

These compact, high performance PCB mountable, dual and quad output modules are ideal for amplifier driver requirements together with electrostatic lenses, deflectors and biasing supplies.

ML430	430, -430V	5, 11W
ML1350	245, -245, 1350, -1350V	4, 20W



ML430



ML1350

Isolated Pulser

The MI offers a 1.5 kV floating output with excellent output ripple and a robust high storage output network. It is ideally suited for use with pulsers/pushers and other pulsing load applications in Mass Spectrometry.

MI1.5PN24	1.5kV	9.75W
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MI1.5PN24

Floating Detector

These modules offer a 3kV or 4kV output isolated to 15kV, ideal for floating detector applications in Mass Spectrometry such as: EMs, MCPs and CEMs.

MCP	3kV	1W
MCP4	4kV	2.4W



MCP



MCP4

Global technical support centers provide rapid local response to customer needs



Our globally situated technical support centers are strategically located to provide rapid local response to customer needs. Support Centers are linked through a common ERP system and real-time data reporting so information is always available about your product and delivery status

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