



Magnetron Power Supply



MPS500DC	500 W DC
MPS1500DC	1500 W DC
MPS1500P	1500 W DC 1050 W pulsed DC 10 - 300 kHz

The MPS models of power supplies are versatile dual source power supplies for R&D coating & cleaning applications.

They can control up to two sources sequentially which can be any combination of compact magnetron sputter sources or glow discharge electrodes.

The model MPS1500P offers DC or pulsed DC mode operation with intuitive pulse width control on the graphical LCD screen. DC only models are available in 500 and 1500 Watts power range.

Stability and control

Extremely stable output allows for operating the sources even at low power levels (<2 W) which makes this device unique in its class and ideal for low rate and precise coating applications.

Fast ramp response is guaranteed with fast arc detection and suppression.

Features & Benefits

- DC and/or PulseDC operating mode
- up to 300 kHz pulse frequency
- Integrated switch to connect to two outputs
- Fast arc detection and suppression
- Selectable voltage, current & power regulation mode
- Stable operation down to 2 Watts
- Large impedance range
- Ideal for 1" to 4" magnetron operation
- User friendly interface with LCD display, keypad and rotary encoder operation



Specifications



	MPS500DC	MPS1500DC	MPS1500P
Output power	1...500 W	1...1500 W	3...1500 W 1050 W in pulsed mode
Output voltage	1000 V (1200 V ignition voltage)		
Output current	2 A max	3 A max	3 A max
Mode of operation	DC	DC	DC and PulseDC
Outputs	2 via internal switch; connector: N type		
Frequency of operation	-	-	10...300 kHz for PulseDC ; duty cycle: 3 ... 70 %
Main supply	195 ... 250 VAC/3.15 A	195 ... 250 VAC/8A	195 ... 250 VAC/ max. 8 A
Display	Graphics LCD 240 x 64		
Hardware interface	RS232 or RS485, Ethernet, Analog I/O		
Serial communication	Rs232 or RS485 with ModBus RTU Ethernet with ModBus TCP		
Arc management	Advanced , <2us response time		
Monitoring of target usage	Yes		
Standards compliance	CE, RoHS		
Dimensions	19" (483 mm) x 2 U (88.1 mm), 395mm deep; 10.8 kg		



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