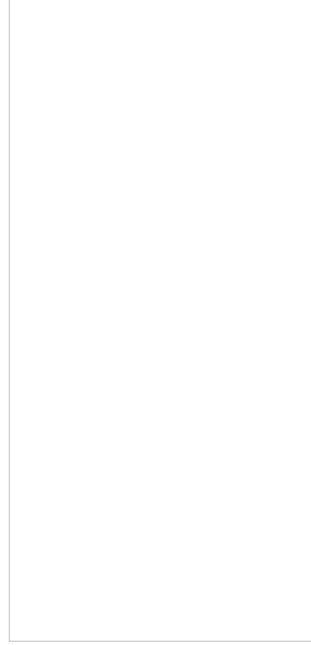


Key Features

- Multifunctional control panel
- Compact 19" 2U rack mount or table top package
- Low output ripple (0,1% peak-peak, $f \leq 10\text{MHz}$)
- Integrated ARC counter
- Active PFC (Power Factor >95%)
- Wide range single phase AC input
- LAN and USB interface
- Data streaming and logging



Model with positive or negative polarity	Power (W)	Max. Voltage (kV)	Max. Current (mA)
MPL 200-10000	200	10	20
MPL 500-10000	500	10	50
MPL 1000-10000	1000	10	100
MPL 200-30000	200	30	7
MPL 500-30000	500	30	17
MPL 1000-30000	1000	30	33
MPL 200-50000	200	50	4
MPL 500-50000	500	50	10
MPL 1000-50000	1000	50	20

The M-Power-Line units are designed and manufactured according to EN 61010, EN61000-6-2 and EN61000-6-3. Conformity to European directives is confirmed by the CE mark.



fug-elektronik.de/m-power-line

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M-Power-Line Compact DC High Voltage Power Supplies



Applications

- Laboratory power
- Photomultiplier / Secondary electron multiplier
- High-voltage test stands
- Gas discharge / Plasma
- Electrostatics
- Sputtering
- Capacitor / Insulation testing
- Ion sources
- Nuclear fusion research
- Particle accelerators

Description

The M-Power-Line series is a competitive, highly efficient, compact power supply with robust design. Combining simple operation and an easy to use multi-function display, these power supplies are well suited for applications in industry, science and research.

Average Output Power

200W, 500W, 1000W

Output Voltage Range (kV)

See models list, variable from 0.1 to 100% of rated voltage

Output Current Range (mA)

See models list, variable from 0.1 to 100% of rated current

AC Input

Wide range 110-230VAC ($\pm 10\%$)
Single phase, 47-63Hz

AC Input Connector

IEC60320 C20 receptacle

Power Factor

> 0.95 at full load at nominal AC line

Efficiency

85 - 90% at full load

Data Sheet



Complete Data Sheet available:
fug-elektronik.de/m-power-line