

MW-POWER SUPPLY MS100KI-501DL

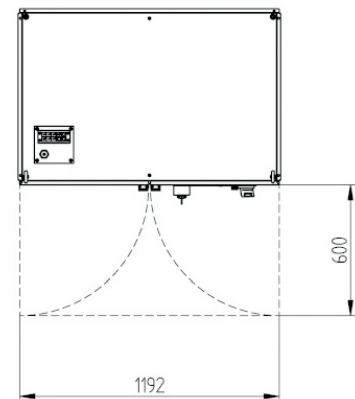
MICROWAVE POWER SUPPLY



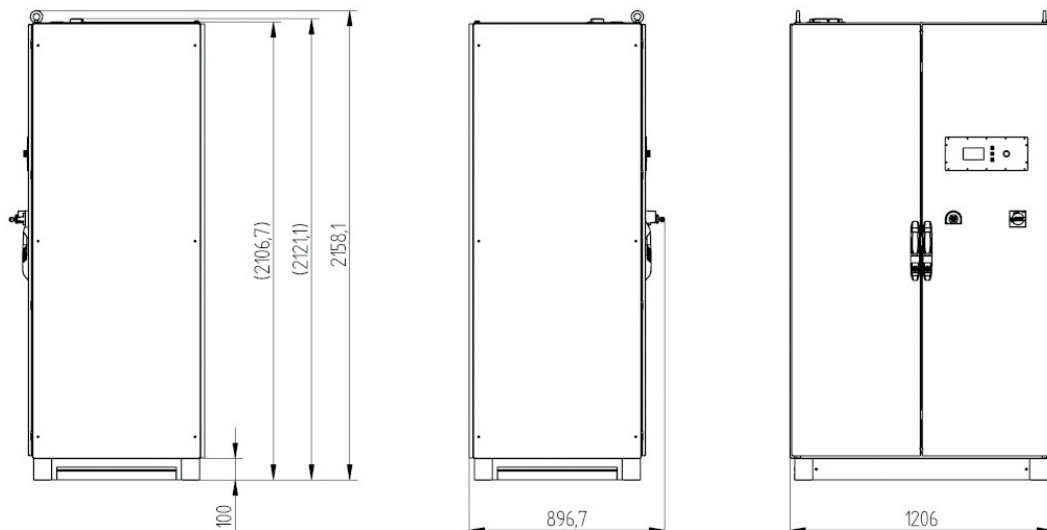
MUEGGE's MS series power supplies are defined as "linear type" and are characterized by standard-ripple output current and voltage, high efficiency, stable operation, and continuous power control. Their cost to performance ratio makes this power supply very popular for most industrial heating applications and plasma processes.

Features

- Linear power supply
- Suitable for 100000 W cw / - W pulse HF output power
- Mains voltage: 400 V AC / 3~ (L1 / L2 / L3 / PE)
- Type of cooling: Air-water heat exchanger
- Continuous Anode current control
- High-efficient
- Compact design
- Stabilized output power
- Stability 0.5 %
- Ripple approx. 5 % RMS, at full power
- Prepared for operation with a magnetron head 100000 W / 915 MHz
- Interfaces: Can-Bus and Control Panel



Outline Dimensions (mm)



Specifications

| | |
|----------------------------|--|
| Mains voltage | 400 V AC, 3~ (L1 / L2 / L3 / PE), 50 Hz, 174 A |
| Control voltage | - V AC, -, - Hz, - A |
| For MW output power | 100000 W cw @ 915 MHz - W pulse power @ 915 MHz |
| Efficiency | Approximately 90 % at full output power |
| Interface | Can-Bus, Control Panel |

| | |
|-------------------|---|
| Assembly | Cabinet |
| Dimensions | Width: 1206 (47,48) mm (inch) Height: 2158 (84,96) mm (inch) Depth: 897 (35,32) mm (inch) |
| Conditions | In operation: 5 °C (41 °F) – 40 °C (104 °F), relative humidity 80% to 30 °C (86 °F), above this linearly Reduced to 50%, non-condensing, 3K3 Storage: - 25 °C (-13 °F) - + 70 °C (158 °F), 70 kPa - 106 kPa, relative Humidity 80% to 30 °C (86 °F), above this linearly reduced to 50%, non-condensing, 1K3 |
| Cooling | Air-water heat exchanger: 20 (5,28) l/min (US gal/min), ≤ 7 (101,53) bar (psi) @ 20 - 25 (68 - 77) °C (°F) |
| Weight | Approx. 1185 (2612,48) kg (lbs) |

Recommended system components

- MH-series magnetron head, e. g. MH100KI-500BU
- Circulator e. g. MW1001B-260CC
- Water load e. g. MW1018E-230CD