



Industrial Microwave +
Plasma Systems



MW-Power Supply MX6000D-154KL

Microwave Switch-Mode Power Supply

MUEGGE's MX-Series of switch-mode power supplies offer a cost-competitive, highly reliable and customizable power source for demanding industrial heating and plasma technology applications.

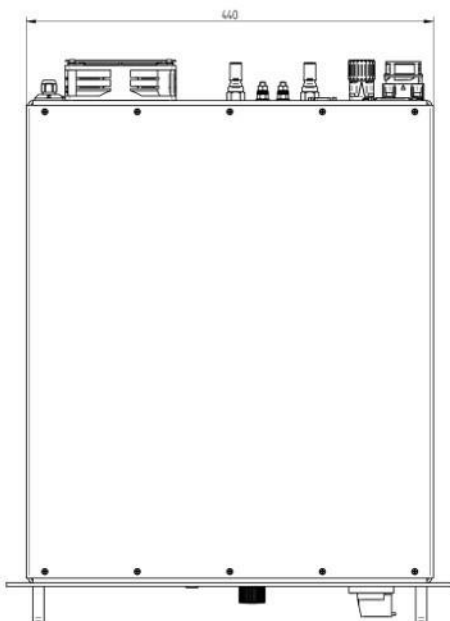
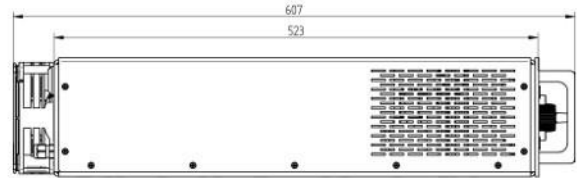
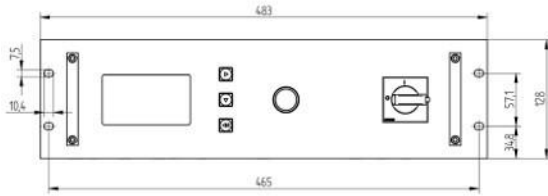
Characteristics:

- Switched power supply 6000 W
- Ethernet interface for web interface and Equipment Cloud
- Suitable for 6000 W cw HF output power
- Optional for - W pulse HF output power
- Suitable for magnetrons: YJ1600, E3327 and PM60
- Mains voltage: 400 V AC / 3~ (L1 / L2 / L3 / PE)
- Control voltage: 208 / 230 V AC / 2~ (L1 / L2 / PE) / 1~ (L / N / PE)
- Type of cooling: Air / Water
- High-efficiency
- Compact design, 19" single rack construction
- Low weight
- Low interference emissions / high interference immunity
- Overvoltage and overcurrent protection, protection against idle running, overload and short circuit resistance
- Stabilised output power
- Prepared for operation with a magnetron head 6000 W / 2450 MHz
- Interfaces: front display and Can-Bus, A/D, -
- Integrated ARC monitoring
- Human-machine interface (HMI): Control unit with main switch

Recommended system components:

- MH-series magnetron head, e.g. MH6000S-250BF
- MH-series magnetron head, e.g. MH6000S-251BF

Exterior dimensions:



Specifications:			
Mains voltage:	400 V AC, 3~ (L1 / L2 / L3 / PE), 50 / 60 Hz, 14,4 A	Assembly:	Completely enclosed aluminium housing
Mains leakage current	< 0,4 mA @ 480 V AC / 50 Hz		
Control voltage:	208 / 230 V AC, 2~ (L1 / L2 / PE) / 1~ (L / N / PE), 60 / 50 Hz, 2,5 A	Dimensions:	19" rack-mount system Width: 484 (19,06) mm (inch), Height: 128 (5,04) mm (inch), Depth: 607 (23,90) mm (inch)
For MW output power	6000 W cw @ 2450 MHz	Operating conditions:	5°C (41°F) – 45°C (113°F) non-condensing T max. = 45°C (113°F) < 3 h / day 80% to 30 °C (86 °F), above linearly reduced to 50 % at 45 °C (113 °F)
Efficiency:	Approximately 90% at full output power	Cooling:	Air / Water: ≥ 4 (1,06) l/min (US gal/min), ≤ 4 (58,02) bar (psi) @ 20 - 25 (68 - 77) °C (°F)
Interface:	front display, Can-Bus, A/D, -	Weight:	Approx. 23 (50,71) kg (lbs)