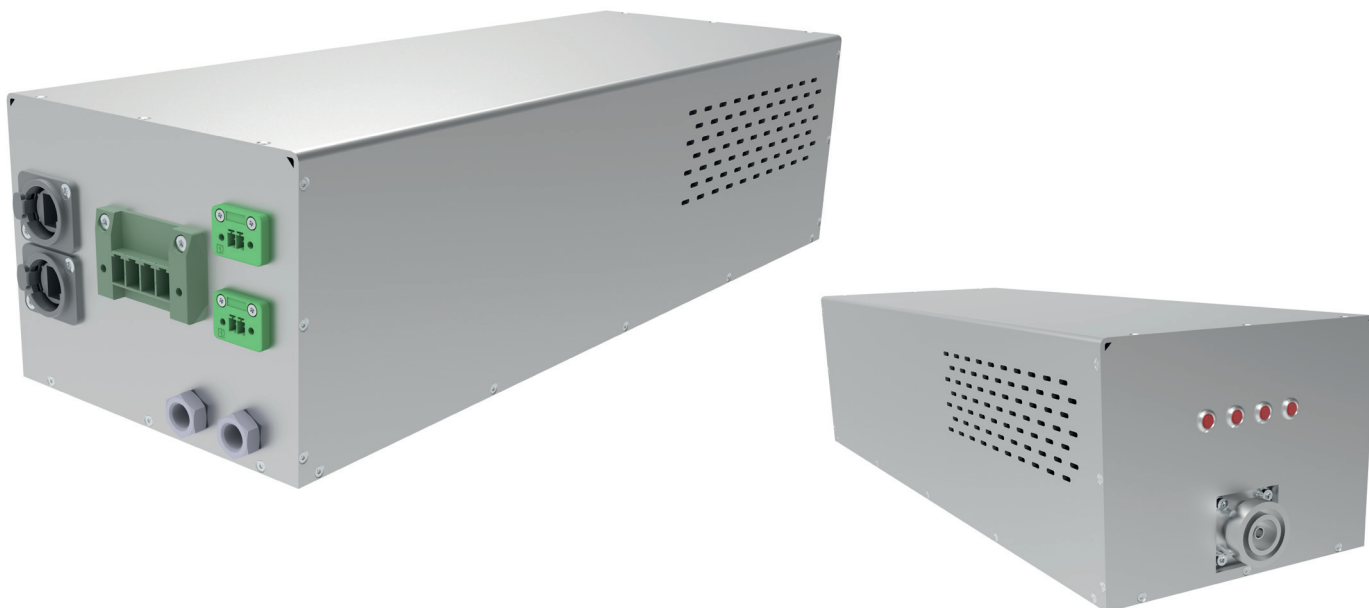


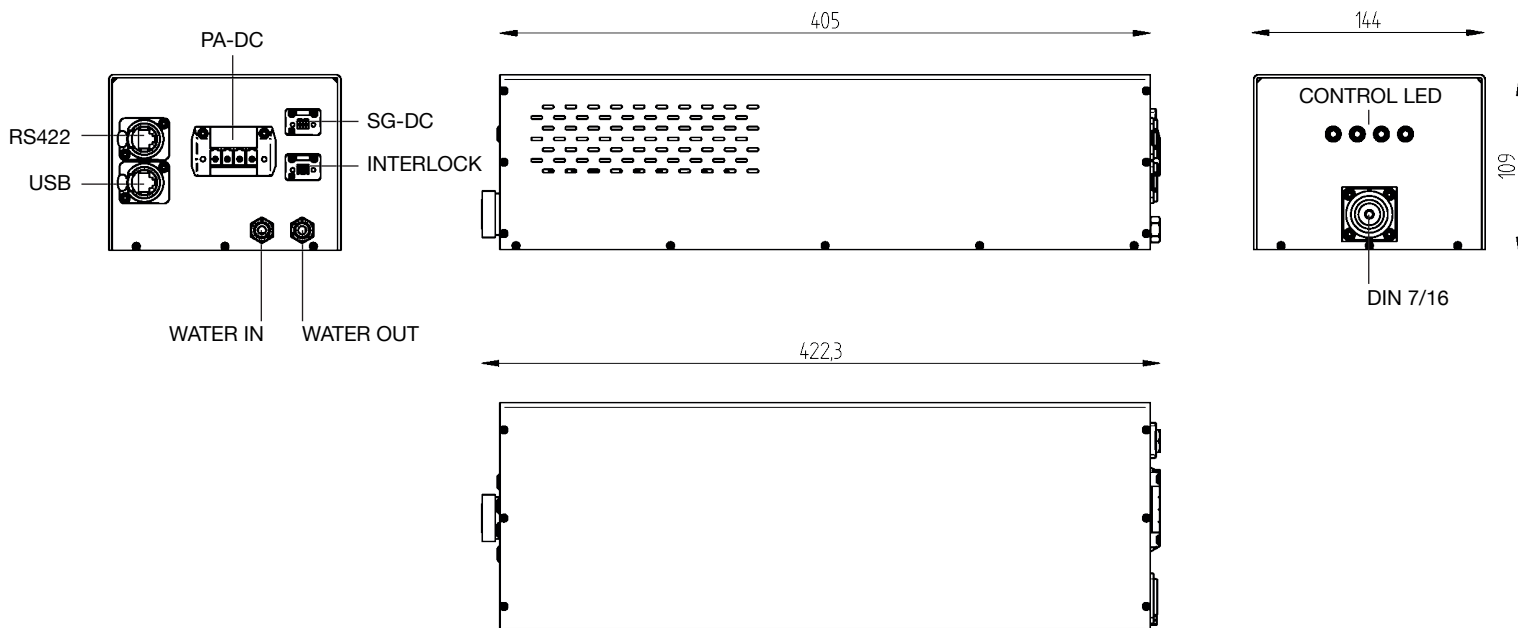


KEY FEATURES I TECHNICAL DETAILS

- Designed for industry heating and plasma process application
- Output load VSWR Protection
- High efficiency water cooling mechanical design in a compact and robust housing
- Compact dimensions for integration in devices, analogs or on machines
- Control via RS232/USB/RS422/ethernet
- With internal isolators
- control that intervenes before. The generator is suitable for permanent 500W reverse power. If a higher reverse power occurs, the generator switches off automatically after 5s
- Temperature compensated bias and power control
- Temperature monitoring and protection mechanisms for reliable 24/7 operation in industrial processes
- CW- and pulseoperation within all functions like SCAN, DLL,...

Solid State Microwave Generator 2400..2500 MHz, 500 W

FM - SGK50W0CG0



SPECIFICATION

Electrical and Technical Data

Frequency band	2400..2500 MHz
Maximum output power	500 W
	57 dBm
Efficiency	≥ 54 %
Power setting range	1 - 500 W
	1 W-steps
Frequency setting range	2400..2500 MHz
	0.1 MHz-steps
Pulse frequency	0.01 – 10000 kHz
Duty cycle	1 – 100 %
Pulse rise time	≤ 200 ns
Pulse fall time	≤ 200 ns
MTBF	≥ 100000 h
Power supply PA	32 V _{DC}
Power supply SG	24 / 32 V _{DC} (depending on safety requirements)
DC power consumption	1200 W max.

Ambient Conditions

Environment temperature	+ 10° to + 45° C
Water flow	≥ 4 l/min.
Cooling water temperature	+18° C to +27° C (non condensing)
Cooling water pressure	≥ 3 bar

Mechanical Data

Dimensions without connector (WxHxD)	422 x 109 x 144 mm
Weight	2.5 kg