



Plasma &

Reactive Gas Solutions

WWW.MKSINST.COM

GS Series

915 MHZ INDUSTRIAL MICROWAVE GENERATORS

MKS, Alter® GS Series industrial microwave generators provide 15 kW to 75kW power at 915 MHz in a shielded cabinet with continuous powerline control, safety interlocks, a variety of interface options and optional remote control.

The GS series design include MKS, Alter proven switch mode power supply systems with continuous power control for rugged, light weight and modular microwave generator systems. This solution allows for power upgrades for industrial installation needs, offering maximum flexibility in system design.

Features & Benefits

- Proven reliable, modular and cost-effective power system
- Low weight and compact industrial microwave generator system for flexible integration
- Shielded cabinet and safety interlocks for safe operation
- Low cost of maintenance

GS Series Overview						
TYPE	FREQUENCY	MW POWER	POWER SUPPLY	LINE INPUT VOLTAGE	EXIT FLANGE	CABINET DIMENSIONS
GS 150	915 MHz	15 kW	MPS 24	3x400V, 50/60 Hz 3x480V, 50/60 Hz	CPR 975	Base: 600x800 mm Height: 2200 mm (with adjustable feet)
GS 300		30 kW	MPS 48		CPR 975	
GS 500		50 kW	MPS 72		CPR 975	Base: 1200x800 mm Height: 2200 mm (with adjustable feet)
GS 750		75 kW	MPS 96		CPR 975	

Overview of Industrial Microwave Generators

Industrial Microwave Generators

1. Waveguide Launcher

The electromagnet, the magnetron, the high pressure fan, the filament transformer and the feed-thru necessary to exchange power and signals.

2. Main Switch

Standard manual commands (Start/Stop/Reset/Power level), and the components to protect the input lines and current overload switches

3. Control Units

Allows direct control for all the magnetron functions including power output, operating conditions for set power level and control over all the main parameters of the magnetron (Remote control option: MBUS interface with Profibus or Modbus/TCP port)

4. MKS, Alter® MPS Power System

Modular configuration and ventilated in both the front and rear



Dimensional Drawing — 15 kW and 50 kW Generators

Note: Unless otherwise specified, dimensions are nominal values in millimeters.

Ordering Information

Please contact your local MKS sales office for price and availability information.



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