

PG-SERIES PG050



PULSE GENERATOR FOR PEF RESEARCH

PG050 is designed for research and testing of PEF technology. The Pulse generator provide electric pulses up to 6.2 MW peak power with unparalleled performance. Together with our PEF chamber prototype, it can easily be adapted to your specific needs regarding type of food, size and pulse specifications.

EXCELLENCE IN PULSED POWER

SYSTEM SPECIFICATIONS	UNIT	DATA	NOTES
Modulator Peak Power	MW	6.2	Maximum
Modulator Average Power	kW	8	Maximum
Pulse Voltage	kV	30–52	Typical range
Pulse Current	A	30–120	Typical range
Pulse Repetition Frequency Range	Hz	0–500	Typical range. Depending on max average power (see options).
Pulse Length, Top	µs	0.5–5	Typical range. Depending on max average power (see options).
Cooling		Water	

INTERFACE	DEFAULT	OPTION
Mains Power, 3 Phase	400 VAC, 50/60 Hz	208/380/480 VAC
Mains Power, Single Phase	230 VAC, 50/60 Hz	115 VAC
Control Interface	ModBus TCP	
Water Cooling Interface In/Out	Legris Push-in 12 mm	Swagelock 12 mm
Diagnostics	Pulse Voltage and Current	See Options

Standard Modulator Includes

- Control System
- Remote Control
- Hard wired Interlock System
- Internal Trig Generator

Options

- Pulse Diagnostics
- Pulse Sensors
- Enhanced PRF Range, up to 1000 Hz
- Extended Pulse Length, Top

Size and Weight

Weight approx. 140 kg
(incl. oil)

Information contained in this document
is subject to change without notice.

