

PG-SERIES PG200



AVERAGE POWER UP TO 80 KW / PEAK POWER UP TO 36 MW

The PG200 is designed to provide electrical pulses of up to 36 MW, used for electroporation, with unparalleled performance. The Pulse Generator is easy to integrate and can easily be adapted to your specific needs regarding type of food and pulse specifications.

All interlocks and essential diagnostics are fully integrated, and ScandiNova's modern control system offers a user-friendly interface. The pulse length, amplitude and repetition rate can all be changed.

Different levels of service and support programmes are available.

COMPACT

UP TO 36 MW PEAK POWER

FULLY COMPUTERIZED

MINIMIZED CONSUMABLES

THE PG-SERIES

ScandiNova's PG-series

contains both standard pulse generators and customized solutions that handle a wide range of needs all the way up to 100 kW average power.

The products within the PG-series have a very resistant casing to withstand demanding industrial applications which make them a perfect choice for Pulsed Electric Field (PEF) generation in food processing. They are perfectly suited for research needs where mid-range pulse generators are needed.

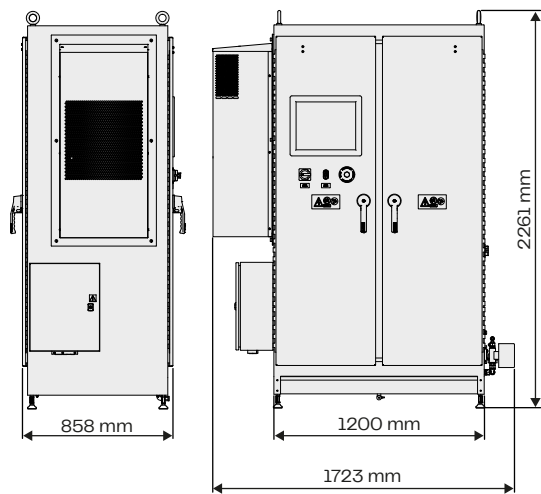
SPECIFICATIONS	UNIT	VALUE*	NOTES
Peak power	MW	25	Maximum. Approximately 500 J per pulse.
Average power	kW	60	Maximum
Pulse voltage	kV	25	Maximum. Depending on transformer, other options available.
Pulse current	A	1000	Maximum
Pulse length, top	µs	20	Limited by max average power
Pulse repetition rate	Hz	1000	Limited by max average power
Cooling	l/min	20	18-40 °C, non-condensing

* All maximum values cannot be reached simultaneously.

INTERFACE	CONNECTOR	DEFAULT	OPTION
Mains power, three-phase	Terminal block (L1, L2, L3, N, PE)	400±10 % VAC, 50/60 Hz	208/380/480 VAC
Hardwired interface	Wire connection terminals		
Communication interface	RJ45	Modbus TCP	
Water cooling interface	ISO8434-1, 24° cone connectors Ø 1/2" hose		
HV connector	CA1		
Diagnostics	BNC	Pulse voltage & current signals	

SIZE AND WEIGHT	UNIT	VALUE
Weight (incl. oil)	kg	1000

For more information, visit www.scandinovasystems.com/PG200



The Standard Pulse Generator Includes

- Control system
- Control via Modbus TCP
- Hardwired interlock system
- HV pulse cable
- Internal trig generator
- Factory acceptance test certificate
- Manuals
- Digitizer
- IP65 class casing and screen

Options

- Pulse diagnostics
- Pulse sensors
- Enhanced PRF range, up to 1000 Hz
- Extended pulse length, top
- Custom transformer turn ratio

Additional System Components

- Local control panel
- Services
 - Training in handling, operation and maintenance
 - Shipping
 - Installation and start-up
 - Service contract

Contact ScandiNova for any requirements not covered by this specification.

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

COMPANY WITH
MANAGEMENT SYSTEM
CERTIFIED BY DNV
ISO 9001 • ISO 14001

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