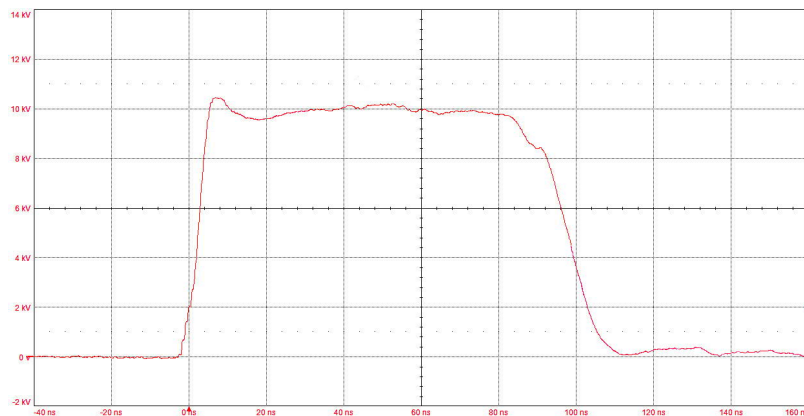


20 kV Nanosecond Pulse Generator



Montena technology develops repetitive high voltage pulsers for applications requiring nanosecond pulses, for example for plasma generation, electroporation or pulsed electric fields (nsPEF).

Possible applications are multiple in biotech, food industry, dentistry, veterinary medicine, surface treatment, gas cleaning, etc.



Example of pulse waveform on a 50 ohm load (2 kV/div - 20 ns/div)

SPECIFICATIONS

Type	PG-NS20K-201
Charging voltage	20 kV adjustable
Max output voltage	10 kV (on 50 ohm)
Load impedance	50 ohm
Pulse rise time (10 - 90 %)	5 ns typ.
Pulse duration	100 ns
Pulse repetition frequency	up to 1 kHz
HV pulse output connector	proprietary HVM50K
Power rating	90 - 250 Vac / 50 - 60 Hz / 400 W
Dimensions (L x H x W)	710 x 495 x 200 mm
Weight	about 25 kg

Other models available upon request (for instance: higher output voltage or other impedance).