

EPULSUS®-BM3A-15

Advantages

- 15kV/200A output bipolar square pulses
- Flexible pulse width and frequency operation
- High efficiency
- 9kW maximum output power
- Resistive loads
- 1900x800x600 mm, 180 kg package
- Air cooled and IP54 index
- CE Marked
- Short-circuit protection
- Local and remote programming
- Pico-scope for PC monitoring



Indicative picture, exact dimension depending on equipment version type

Description

The EPULSUS®-BM3A-15 is Pulsed Electric Fields, PEF, equipment for pilot-plant to small scale production line, including a bipolar solid-state Marx Modulator, safety box and treatment chamber.

Specifications

INPUT	
Voltage	400 VAC, 3PH+N, 50/60 Hz
Current	15A @ 400VAC
Power factor	>0.98
Power	10500W, three phases + N

OUTPUT	
Voltage	Up to 15000V
Power	9000W
Current	200A
Polarity	Bipolar
Stored energy	max 1050J

PULSE FLEXIBILITY	
1 to 200Hz	
2µs to 200µs	Average 300ns rise time

PULSE MODE	
Single pulse	One-shot
Multi-pulse	1 to 200 pulses
Continuous	<i>n</i> pulses
Burst operation	

PROTECTIONS	
Over temperature	70°C
Over-current	210A, slow
Short-circuit	230A, fast
Safety	SIL 3 according to IEC 62061

REGULATIONS	
CE Marked	

CONNECTIONS	
HV cable	3m URM67 with HV plug
Output Ethernet plug	For remote control
PC Oscilloscope	Pico-scope Included
Local programming	HMI, pulse V/I/ton/f
Local monitoring	HMI, pulse V/I/ton/f

ENVIRONMENT	
Operation temp	10°C – 40°C
Storage	- 20°C – 60°C
Humidity, max	90% non-condensing
Cooling	Forced air