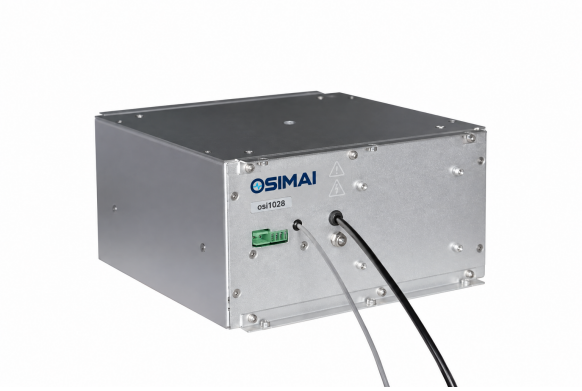
osi1302 Series

Modular, ±3 kV/6 kV, 150 A, adjustable pulse width and voltage



Product introduction

The osi1302 series is a compact, fully featured high-voltage pulse power supply with stable performance. In addition to supplying the required high voltage, it provides voltage-amplitude adjustment. An optically isolated fiber trigger is used for safety and to meet user requirements.

Product features

- +15 VDC input
- Pulse voltage amplitude ±3 kV/6 kV
- Pulse current >150 A
- Adjustable pulse voltage amplitude
- Pulse rise time <200 ns
- Pulse fall time <200 ns

Specifications

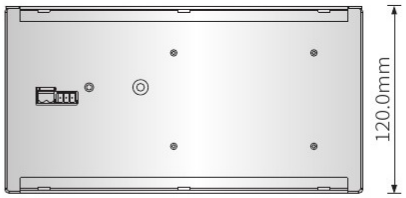
Parameter	Specification
Input voltage	15 VDC ±10%.
Output pulse voltage	Adjustable, maximum 3 kV; positive, negative or bipolar configurations can be customized.
Pulse current	>150 A.
Pulse width	1–10 μs.
Pulse frequency	1–5 Hz.
Pulse rise time	<200 ns.
Pulse fall time	<200 ns.
Pulse triggering	TTL trigger.
Communication	RS-485 digital communication.
Pulse voltage accuracy	<2%.
Voltage adjustment	Output voltage amplitude is adjusted through host-computer software.
Pulse width adjustment	Adjusted through host-computer software.
High-voltage cable	High-voltage cable with SHV connector, total length 1 m.
Power input connector	Standard power wiring terminal.
Ambient temperature	Operating: 0°C to +50°C. Storage: −20°C to +80°C.
Dimensions	230 mm wide, 120 mm high, 210.5 mm deep.
Weight	Approximately 1.2 kg.

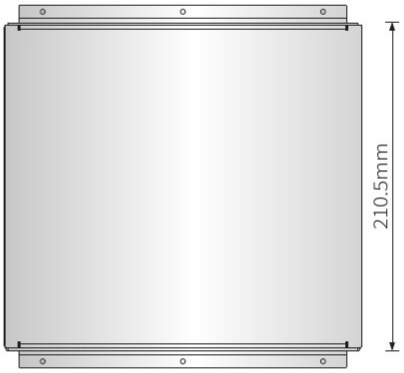
Typical applications

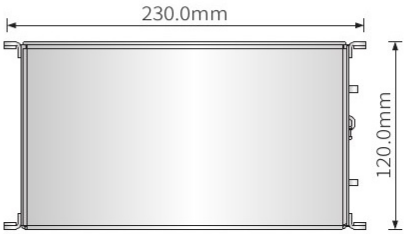
Vascular thrombus removal; coronary thrombus removal; calcified-lesion treatment systems; coronary shockwave lithotripsy systems; biological experiments.

Outline dimensions

Dimensions in mm.


120.0mm


210.5mm


230.0mm
120.0mm