



Controlled **high voltage source** for industrial use and rack mounting

PS2000

The high performance package for 19" rack integration

High voltage source optimised for Pulsed Atmospheric Arc Technology (PAA Technology®). Due to the use of a unipolar pulsed high voltage, the arc is prevented from stabilising at "hot spots" in the nozzle. The latest IGBT switching technology and the use of high quality high voltage components ensure that the source is extremely reliable and efficient. Overloading is also not possible in continuous 24/7 operation. In the event of cable damage or short circuiting during critical operations the control unit intercepts all power fluctuations safely.

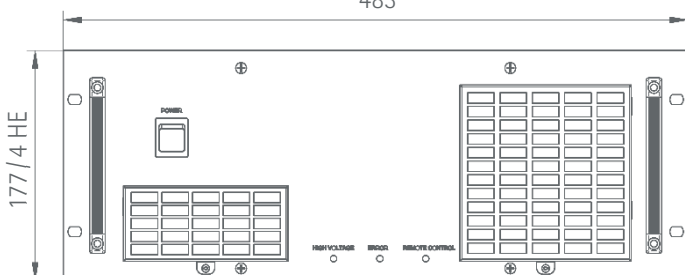
The capability of the PS2000 is particularly reflected in the fact that it can operate with variable loads and can effectively pump loads within a large potential

range of up to > 12 kV. This special feature ensures continuous ignition performance across a wide power range and for different process gases.

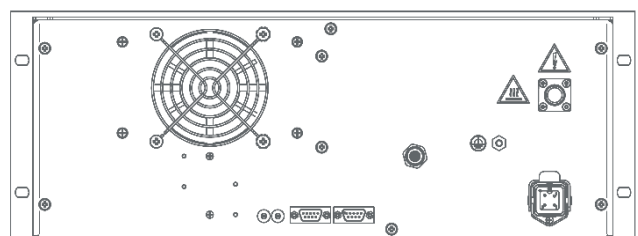
The high voltage source is switchable in a range of milliseconds at full load and therefore optimised for timed processes where highly precise timing is beneficial.

All communication is based on the reliable and fast CAN bus. Even in the event of a fault, the communication remains active. Integration into each automated production plant is simple and standardised, even in the case of several high voltage sources.

Front view
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Rear view





Communication package Digital IO

Monitoring of gas flow, control of plasma power. Surveillance of process status via built-in display with operator panel and digital outputs.



Communication package USB

Full graphical mapping and control of the PS2000 including data acquisition, storage and export as CSV file. All process data on your Windows OS.



Communication package CAN

Specific solution for PLC, e.g. Siemens S7 or Beckhoff. Access to full data stock of the PS2000 in real time.



Technical Information

Input voltage	220 - 240 V AC, 50-60 Hz
Max. input current	6 A
Weight	18 kg
Bus communication	CANopen format (CIA301)
Power	0 - 1.000 Watt variable
Open circuit voltage	up to 20 kV

Features

- 19 inch industry standard
- Short circuit proof
- CANopen interface
- Controllable
- Variable working point

