

HV9000 SERIES

AC/DC High Voltage Power Supplies 1.2KW to 2KW , 300V to 12KV



Features

- High efficiency up to 91%
- Output power: 2000W
- Output voltages: 300V up to 12kV
- Output currents: 170mA up to 6.67A
- Resonance converter
- High regulation accuracy, low ripple
- Voltage and current adjustable via 10-turn potentiometer
- Overvoltage protection (OVP)
- Overtemperature protection (OT)
- 3½ digit displays for voltage and current
- Status indication signal via LEDs
- Flashover & short circuit proof
- Analogue interface with many functions
- U / I programmable via 0...10V
- U / I monitoring via 0...10V
- Temperature controlled fans for cooling
- Desktop unit and 19" unit with 3U
- CE marked compliance to EMC, Low voltage directives
- Options: - Digital Interfaces:
 - GPIB (IEEE) with RS232
 - USB (external)



HV9000-6K-2000 : 6KV 2KW power supply

Description

The high voltage models of the EA-HV 9000 series are frequency modulated resonance converters and have proved themselves thousandfold.

The units are provided with easy-to-use 10 turn potentiometers, 3½ digit illuminated displays and preset functions for voltage, current and OVP.

An analogue interface is provided to program and record voltage and current.

The external programming connection is also equipped with an interlock loop (safety cutout).

Output

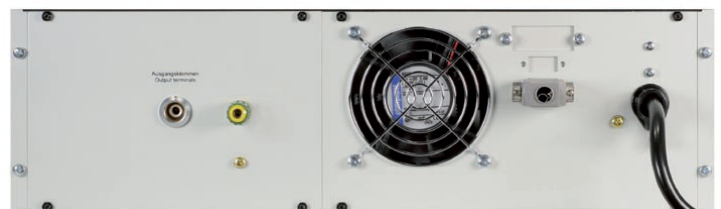
A choice of output voltages between 300V and 12kV, output currents between 170mA and 6.67A at output power levels up to 2000W are available. The output terminal is located on the rear panel. Intended to protect connected loads, it is possible to define an overvoltage protection limit (OVP). Custom output voltages and power levels are available upon request.

Model Selection Table

MODEL	Vout	Iout	Power Max	OVP Setting
HV9000-600-2000	0-600V	0-3.33A	2000W	606V
HV9000-1K2-2000	0-1200V	0-1.67A	2000W	1212V
HV9000-2K-2000	0-2000V	0-1A	2000W	2020V
HV9000-6K-2000	0-6000V	0-350mA	2000W	6060V
HV9000-12K-2000	0-12000V	0-170mA	2000W	12120V

Specifications

Input Voltage	Single Phase , 90-264VAC , 45-65Hz
Power Factor	> 98%
Load Regulation 10% - 90% load	< 0.05%
Transient Response 10% - 90% load	< 2msec
Dimensions	19" 3HE/U 460mm
Input Current	10A
Ripple	< 0.05%
Temperature Stability	< 500ppm / °C
Efficiency	> 92%
Output Power	2000W , for other output power requirements please consult Snaptec
Output Voltage	300V to 12KV , for special output voltages please consult Snaptec



Power Supply Rear View