

## EA-HV 9000 2000W

### 高压直流电源 / HIGH VOLTAGE DC POWER SUPPLIES

- U
- I
- 19"
- OVP
- OT
- USB
- IEEE
- LAN



EA-HV 9000-6K-2000

- 宽范围输入电压90...264V，带主动式PFC
- 效率高达 91%
- 输出功率: 2000W
- 输出电压: 0...1200V 至 0...12kV
- 输出电流: 0...170mA 至 0...1.67A
- 谐振转换器
- 高调整精度，低纹波
- 有过压保护 (OVP)
- 有过温保护 (OT)
- 3½位数显示显示电压和电流
- LED指示状态提示
- 有闪络和短路保护功能
- 多功能模拟接口
  - 通过 0...10V电压可对U / I 编程
  - 通过 0...10V电压可监控U / I
- 温控风扇制冷
- 有桌面式和3U的19"类型
- 可选数字接口:
  - GPIB / IEEE (内置，带RS232端口)
  - USB (外置)
- Wide input voltage range 90...264V with active PFC
- High efficiency up to 91%
- Output power: 2000W
- Output voltages: 0...1200V up to 0...12kV
- Output currents: 0...170mA up to 0...1.67A
- Resonance converter
- High regulation accuracy, low ripple
- Overvoltage protection (OVP)
- Overtemperature protection (OT)
- 3½ digit displays for voltage and current
- Status indication signal via LEDs
- Flashover & short circuit proof
- Analogue interface
  - U / I programmable via 0...10V
  - U / I monitoring via 0...10V
- Temperature controlled fans for cooling
- Desktop unit and 19" unit with 3U
- Optional, digital interfaces:
  - GPIB/IEEE (internal, with RS232)
  - USB (external)

#### 概要

EA-HV 9000系列是一款高压调频谐振变换器，已无数次验证其配备的性能。

产品配有一易用型10圈电位器，3½数字背光显示器，具有电压、电流和过压保护预设功能。

还有一模拟接口，可编程、记录电压和电流。

通过一连锁回路（安全关闭）也可从外部编程。

#### 输出

本系列有多款不同类型，可选择1200V和12kV输出电压，170mA和1.67A输出电流，2000W输出功率的型号。输出端位于产品后面板。为保护连接负载，可设定一过压保护极限值(OVP)。

#### General

The high voltage power supplies 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 analogue programming connection is also equipped with an interlock loop (safety cutout).

#### Output

A selection of output voltages between 1200V and 12kV, output currents between 170mA and 1.67A at an output power of 2000W is 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).

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后板图 / Rear panel EA-HV 9000-6K-2000

技术参数	Technical Data	HV 9000-1K2-2000	HV 9000-2K-2000	HV 9000-6K-2000	HV 9000-12K-2000
输入电压	Input voltage	90...264V *	90...264V *	90...264V *	90...264V *
-频率	-Frequency	45...65Hz	45...65Hz	45...65Hz	45...65Hz
-功率因数	-Power factor	>0.99	>0.99	>0.99	>0.99
-230V时的输入电流	-Input current at 230V	10A	10A	10A	10A
输出电压	Output voltage	0...1200V	0...2000V	0...6000V	0...12000V
-负载0-100%时的稳定度	-Stability at 0-100% load	<0.05%	<0.05%	<0.05%	<0.05%
-在±10% Δ U <sub>IN</sub> 时的稳定度	-Stability at ±10% ΔU <sub>IN</sub>	<0.05%	<0.05%	<0.05%	<0.05%
-纹波 BWL 20MHz	-Ripple BWL 20MHz	<0.05%	<0.05%	<0.05%	<0.05%
-负载从10%-100%调整需时	-Regulation 10-100% load	<2ms	<2ms	<2ms	<2ms
-温度稳定度	-Temperature stability	<50ppm/°C	<50ppm/°C	<50ppm/°C	<50ppm/°C
-OVP过压保护调节范围	-OVP adjustment	0...1212V	0...2020V	0...6060V	0...12120V
输出电流	Output current	0...1.67A	0...1A	0...350mA	0...170mA
-0-100% Δ U <sub>OUT</sub> 时的稳定度 <sub>A</sub>	-Stability at 0-100% ΔU <sub>OUT</sub>	<0.05%	<0.05%	<0.05%	<0.05%
-±10% Δ U <sub>IN</sub> 时的稳定度	-Stability at ±10% ΔU <sub>IN</sub>	<0.05%	<0.05%	<0.05%	<0.05%
-纹波 BWL 20MHz	-Ripple BWL 20MHz	<0.05%	<0.05%	<0.05%	<0.05%
-温度稳定度	-Temperature stability	<500ppm/°C	<500ppm/°C	<500ppm/°C	<500ppm/°C
输出功率	Output power	2000W	2000W	2000W	2000W
模拟编程	Analogue programming			0...10V	
制冷方式	Cooling			风扇 / Fan	
工作温度	Operation temperature			0...40°C	
储存温度	Storage temperature			-20°C...70°C	
尺寸 ** (B H T)	Dimensions ** (W H D)	19" 3U 460mm	19" 3U 460mm	19" 3U 460mm	19" 3U 460mm
产品编号	Article No.	26100103	26100104	26100105	26100106

\* 当输入电流>16A时功率小自动受限 / Automatic power limiting on input currents > 16A