

## EA-HV 9000 2000W 高壓電源供應器 / HIGH VOLTAGE POWER SUPPLIES



- 寬範圍輸入電壓90...264V，帶主動式PFC
- 效率高達 91%
- 輸出功率：2000W
- 輸出電壓：300V 至 12kV
- 輸出電流：170mA 至 6,67A
- 諧振轉換器
- 高調整精度，低紋波
- 10圈電位器調節電壓和電流
- 有過壓保護 (OVP)
- 有過溫保護 (OT)
- 3½數字顯示器顯示電壓和電流
- LED指示狀態提示
- 有閃絡和短路保護功能
- 多功能類比介面
- 通過 0...10V 電壓對V / I編程
- 通過 0...10V 電壓監控V / I
- 溫控風扇制冷
- 有桌面式類型和3U的19“類型
- 有CE標志，符合EMC，低壓指令
- 可選項：- 數字接口：  
帶RS232的GPIB (IEEE)  
USB (外接)

### 概要

EA-HV 9000系列是一款高壓調頻諧振變換器，已無數次驗證了其配備的性能。產品上配有一易用型10圈電位器，數字背光顯示器，有電壓、電流和過壓保護預設功能。還有類比介面，可編程、記錄電壓和電流。通過一連鎖回路（安全關閉）也可從外部編程。

### 輸出

本系列有不同類型，可選擇300V至12kV輸出電壓，170mA至6.67A輸出電流，2000W輸出功率的類型。輸出端位於產品後面板。為保護連接負載，可設定一過壓保護極限值(OVP)。按需提供其他輸出電壓和功率的類型。

- Wide input voltage range 90...264V with active PFC
- 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)

### General

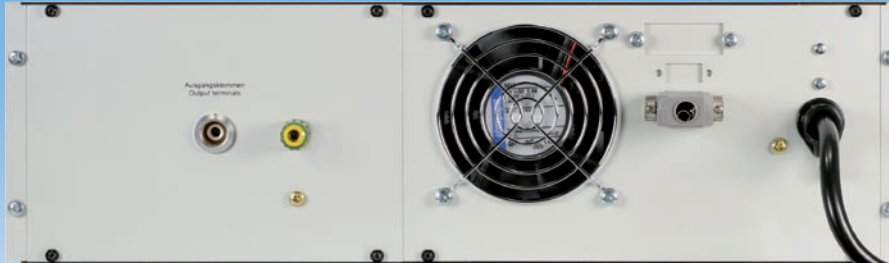
The high voltage models of the EA-HV 9000 series are frequency modulated resonance converters and have proved themselves thousandfold. The units are provided with easy-to-use 10 turn potentiometers, 3½ digit illuminated displays and preset functions for voltage, current and OVP. An analogue interface 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 current between 170mA and 6,67A and output power 2000W are available. The output terminal is located in the rear panel. Intended to protect connected loads, it is possible to define an overvoltage protection limit (OVP). Other voltages and powers on request

## EA-HV 9000 2000W

### 高壓電源供應器 / HIGH VOLTAGE POWER SUPPLIES



後板圖 / Rear panel EA-HV 9000-6K-2000

技術參數	Technical Data	EA-HV 9000-600-2000	EA-HV 9000-1k2-2000	EA-HV 9000-2k-2000
輸入電壓	Input voltage	90...264V *)	90...264V *)	90...264V *)
-頻率	-Frequency	45...65Hz	45...65Hz	45...65Hz
-功率因數校正	-Power factor correction	>0,98	>0,98	>0,98
-輸入電流(230V)	-Input current (230V)	10A	10A	10A
輸出電壓	Output voltage	0...600V	0...1200V	0...2000V
-負載10-90%時的穩定度	-Stability at 10-90% load	<0,05%	<0,05%	<0,05%
-在±10% Δ U <sub>IN</sub> 時的穩定度	-Stability at ±10% Δ U <sub>IN</sub>	<0,05%	<0,05%	<0,05%
-紋波	-Ripple	<0,05%	<0,05%	<0,05%
-負載從0%-50%調整需時	-Regulation 0-50% load	<2ms	<2ms	<2ms
-OVP過壓保護調節範圍	-OVP adjustment	0...606V	0...1212V	0...2020V
輸出電流	Output current	0...3,33A	0...1,67A	0...1A
-0-100% Δ U <sub>OUT</sub> 時的穩定度	-Stability at 0-100% Δ U <sub>OUT</sub>	<0,05%	<0,05%	<0,05%
-±10% Δ U <sub>IN</sub> 時的穩定度	-Stability at ±10% Δ U <sub>IN</sub>	<0,05%	<0,05%	<0,05%
-紋波	-Ripple	<0,05%	<0,05%	<0,05%
輸出功率	Output power	2000W	2000W	2000W
溫度穩定性	Temperature stability	<500ppm/°C	<500ppm/°C	<500ppm/°C
尺寸(W H D)	Dimensions (W H D)	19" 3HE/U 460mm	19" 3HE/U 460mm	19" 3HE/U 460mm
產品編號	Article No.	26100102	26100103	26100104

\*) 如果 I<sub>IN</sub> > 16A, 功率自動受限 \*) If I<sub>IN</sub> > 16A, automatic power limiting

技術參數	Technical Data	EA-HV 9000-6k-2000	EA-HV 9000-12k-2000
輸入電壓	Input voltage	90...264V *)	90...264V *)
-頻率	-Frequency	45...65Hz	45...65Hz
-功率因數校正	-Power factor correction	>0,98	>0,98
-輸入電流(230V)	-Input current (230V)	10A	10A
輸出電壓	Output voltage	0...6000V	0...12000V
-負載10-90%時的穩定度	-Stability at 10-90% load	<0,05%	<0,05%
-在±10% Δ U <sub>IN</sub> 時的穩定度	-Stability at ±10% Δ U <sub>IN</sub>	<0,05%	<0,05%
-紋波	-Ripple	<0,05%	<0,05%
-負載從0%-50%調整需時	-Regulation 0-50% load	<2ms	<2ms
-OVP過壓保護調節範圍	-OVP adjustment	0...6060V	0...12120V
輸出電流	Output current	0...350mA	0...170mA
-0-100% Δ U <sub>OUT</sub> 時的穩定度	-Stability at 0-100% Δ U <sub>OUT</sub>	<0,05%	<0,05%
-±10% Δ U <sub>IN</sub> 時的穩定度	-Stability at ±10% Δ U <sub>IN</sub>	<0,05%	<0,05%
-紋波	-Ripple	<0,05%	<0,05%
輸出功率	Output power	2000W	2000W
溫度穩定性	Temperature stability	<500ppm/°C	<500ppm/°C
尺寸(W H D)	Dimensions (W H D)	19" 3HE/U 460mm	19" 3HE/U 460mm
產品編號	Article No.	26100105	26100106

\*) 如果 I<sub>IN</sub> > 16A, 功率自動受限 \*) If I<sub>IN</sub> > 16A, automatic power limiting