



EA-PS 1000

- 高效 >85%
- 输出功率: 1250 W 至 240 kW
- 输出电压: 0...5 V 至 0...60 V
- 输出电流: 0...250 A 至 0...4000 A
- 精确度: $U < 0.5\%$, $I < 1\%$
- 纹波 (300 Hz) $< 1\%$
- 恒压和恒流调整
- 电压和电流0...100%可调
- 市电电压为230 V AC或3 x 400 V AC
- PFC值 >0.95
- 浪涌电流限制
- 用铜条当直流输出端
- 可选项:
 - 数字接口 (RS485, LAN, Profibus等)
 - 模块化, 可接外部控制键EA-PS 280
 - 模拟接口 (0...10 V)
 - 模拟接口用隔离放大器
 - 远程感测

- High efficiency >85%
- Output power ratings: 1250 W up to 240 kW
- Output voltages: 0...5 V up to 0...60 V
- Output currents: 0...250 A up to 0...4000 A
- Accuracy: $U < 0.5\%$, $I < 1\%$
- Ripple (at 300 Hz): $< 1\%$
- Constant voltage and current regulation
- Voltage and current adjustable 0...100%
- Mains supply 230 V AC or 3x 400 V AC
- Power factor >0.95
- Inrush current limit
- DC output connector via copper bars
- Options
 - Digital interface (RS485, LAN, Profibus a. o.)
 - Modular, external control unit EA-PS 280
 - Analog interface (0...10 V)
 - Isolation amplifier for analog interface
 - Remote sensing

概要

EA-PS 1000系列为可调、风冷、重载型开关电源。其型号的输出电压高达60 V, 电流达4000 A, 输出功率至240 kW。

本产品主要用于如电镀、表面处理、硬化类的大功率环境; 以及各种工业应用, 如给电动机启动器、直流马达供电等; 还用于自动终端检测系统的测试, 如接触片、继电器、开关、断路器以及一般重型直流元件的测试。

所有型号都有一内置数字控制总线, 可配合不同的数字接口模块 (RS485, Ethernet, Profibus, Profinet) 或模块控制器来控制本产品。与任何其他数字接口不听, 还有一内置模拟接口 (可供0...10 V电压)。它能代替数字控制总线。若无任一可选接口或控制件, 本产品不能被控制。因此建议用户在购买本产品的同时, 也购买至少一个接口模块。数字接口模块以后将被其他类型接口代替。

其内部控制与调整电路由微处理控制芯片供电, 因此与本系列之前的型号相比, 它提高了本产品的精确度, 改善了其反应速度与设定时间。

General

The EA-PS 1000 series is a range of adjustable, air cooled, heavy-duty, switched-mode power supplies. There are models with output voltages of up to 60 V, output currents of up to 4000 A and output power ratings of up to 240 kW available.

This series is used in high-power environments, such as electroplating, surface treatment, hardening or industrial applications such as powering of electric engine starters, DC motors etc. and is used in automatic end-of-line test systems for the testing of contactors, relays, switches, breakers and heavy duty DC components in general

All models feature a built-in digital control bus to which various, optionally available digital interface modules (RS485, Ethernet, Profibus, Profinet) or a modular control unit can be connected in order to control the device. Alternatively to any digital interface, an optional, built-in analog interface (0...10 V) is available. It replaces the digital control bus. Without any of the optional interfaces or the control unit, the device can not be controlled. Thus it is recommended to purchase the device always together with at least one optional interface. The digital interface modules can be replaced later on by other interface types.

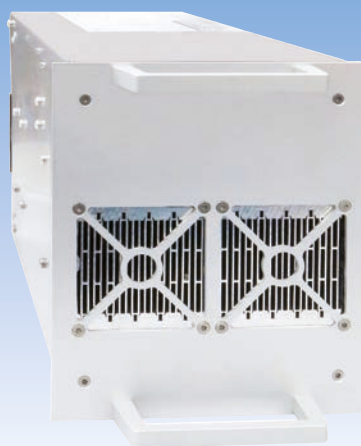
The internal control and regulation circuit is powered by a fast microcontroller unit, resulting in higher accuracy and improved response and settling times, compared to former models of this series.



Option/可选件 EA-PS 280



1500 W / 2500 W / 5000 W



3000 W / 5000 W / 10000 W

- 高效 >85%
- 输出功率: 1500 W 至 10000 W
- 输出电压: 0...6 V, 0...10 V 至 0...20 V
- 输出电流: 0...250 A 至 0...500 A
- 恒压和恒流调整
- 工作温度 0-35°C (按需也可做 40°C)
- 浪涌电流限制
- 风扇制冷, 最大风量有 100 或 200 m³/h
- 19" 不锈钢机柜系统
- 用铜条当直流输出端
- 可选件:
 - 用电脑编程 (RS485 / LAN / Profibus 等)
 - 模块化, 可接外部控制键 EA-PS 280
 - 模拟接口 (0...10 V)
 - 模拟接口用隔离放大器
 - 远程感测

- High efficiency >85%
- Output power ratings: 1500 W up to 10000 W
- Output voltages: 0...6 V, 0...10 V or 0...20 V
- Output currents: 0...250 A up to 0...500 A
- Constant voltage and current regulation
- Operation temp range 0-35°C (40°C upon request)
- Inrush current limit
- Air cooling by fan, air volume max. 100 or 200 m³/h
- Stainless steel enclosure, for 19" rack systems
- DC output connector via copper bars
- Options
 - Programming via PC (RS485/Profibus/LAN etc.)
 - Modular, mobile control unit EA-PS 280
 - Analog interface (0...10 V)
 - Isolation amplifier for analog interface
 - Remote sensing

技术参数	Technical Data	PS 1000-250	PS 1000-500	PS 1010-250
AC输入电压	Input voltage AC	400 V +/- 10% 3ph	400 V +/- 10% 3ph	400 V +/- 10% 3ph
- 频率	- Frequency	50...60 Hz	50...60 Hz	50...60 Hz
- 功率因素	- Power factor	>0.95	>0.95	>0.95
DC输出电压	Output voltage DC	0...6 V	0...6 V	0...10 V
- 精确度	- Accuracy	<0,5%	<0,5%	<0,5%
- 纹波	- Ripple	<1%	<1%	<1%
输出电流	Output current	0...250 A	0...500 A	0...250 A
- 精确度	- Accuracy	<1%	<1%	<1%
输出功率	Output power	1500 W	3000 W	2500 W
尺寸 *	宽 高 长	W 21TE / 21 HP H 6 HE / 6U D 400 mm	W 42TE / 42 HP H 6 HE / 6U D 400 mm	W 21TE / 21 HP H 6 HE / 6U D 400 mm
重量	Weight	~12 kg	~20 kg	~12 kg

技术参数	Technical Data	PS 1010-500	PS 1020-250	PS 1020-500
AC输入电压	Input voltage AC	400 V +/- 10%, 3ph	400 V +/- 10%, 3ph	400 V +/- 10%, 3ph
- 频率	- Frequency	50...60 Hz	50...60 Hz	50...60 Hz
- 功率因素	- Power factor	>0.95	>0.95	>0.95
DC输出电压	Output voltage DC	0...10 V	0...20 V	0...20 V
- 精确度	- Accuracy	<0,5%	<0,5%	<0,5%
- 纹波	- Ripple	<1%	<1%	<1%
输出电流	Output current	0...500 A	0...250 A	0...500 A
- 精确度	- Accuracy	<1%	<1%	<1%
输出功率	Output power	5000 W	5000 W	10000 W
尺寸 *	宽 高 长	W 42TE / 42 HP H 6 HE / 6U D 400 mm	W 21TE / 21 HP H 6 HE / 6U D 400 mm	W 42TE / 42 HP H 6 HE / 6U D 400 mm
重量	Weight	~20 kg	~12 kg	~20 kg

* 仅为外壳尺寸, 非产品整体尺寸 / Enclosure only, not over all



Option/可选件 EA-PS 280

EA-PS 1020-2000

- 高效 >85%
- 输出功率: 15 kW 至 40 kW
- 输出电压: 0...10 V, 0...20 V 至 0...40 V
- 输出电流: 0...750 A 至 0...2000 A
- 恒压和恒流调整
- 工作温度0-35°C (按需也可做40°C)
- 浪涌电流限制
- 风扇制冷, 最大风量有540-1000 m³/h
- 强挂式或地面安装式不锈钢外壳
- 用铜条当直流输出端
- 可选项:
 - 用电脑编程 (RS485 / LAN / Profibus等)
 - 模块化, 可接外部控制键EA-PS 280
 - 模拟接口 (0...10 V)
 - 模拟接口用隔离放大器
 - 远程感测

- High efficiency >85%
- Output power ratings: 15 kW up to 40 kW
- Output voltages: 0...10 V, 0...20 V or 0...40 V
- Output currents: 0...750 A up to 0...2000 A
- Constant voltage and current regulation
- Operation temp range 0-35°C (40°C upon request)
- Inrush current limit
- Air cooling by fan, air volume max. 540-1000 m³/h
- Stainless steel enclosure for wall or ground install
- DC output connection via copper bars
- Options
 - Programming via PC (RS485/Profibus/LAN etc.)
 - Modular, mobile control unit EA-PS 280
 - Analog interface (0...10 V)
 - Isolated amplifiers for analog interface
 - Remote sensing

技术参数		Technical Data	PS 1006-800	PS 1006-1000	PS 1006-1500	PS 1006-2000	PS 1010-800	PS 1010-1000
AC输入电压		Input voltage AC	400 V +/- 10% 3ph	400 V +/- 10% 3ph	400 V +/- 10% 3ph	400 V +/- 10% 3ph	400 V +/- 10% 3ph	400 V +/- 10% 3ph
- 频率		- Frequency	50...60 Hz	50...60 Hz	50...60 Hz	50...60 Hz	50...60 Hz	50...60 Hz
- 功率因素		- Power factor	>0.95	>0.95	>0.95	>0.95	>0.95	>0.95
DC输出电压		Output voltage DC	0...6 V	0...6 V	0...6 V	0...6 V	0...10 V	0...10 V
- 精确度		- Accuracy	<0,5%	<0,5%	<0,5%	<0,5%	<0,5%	<0,5%
- 纹波		- Ripple	<1%	<1%	<1%	<1%	<1%	<1%
输出电流		Output current	0...800 A	0...1000 A	0...1500 A	0...2000 A	0...800 A	0...1000 A
- 精确度		- Accuracy	<1%	<1%	<1%	<1%	<1%	<1%
输出功率		Output power	4.8 kW	6 kW	9 kW	12 kW	8 kW	10 kW
尺寸 *	B	Dimensions *	W	343 mm	343 mm	509 mm	509 mm	343 mm
	H		H	265 mm	265 mm	275 mm	275 mm	265 mm
	T		D	415 mm	415 mm	470 mm	470 mm	415 mm
重量		Weight	~32 kg	~32 kg	~45 kg	~45 kg	~32 kg	~32 kg

技术参数		Technical Data	PS 1010-1500	PS 1010-2000	PS 1020-750	PS 1020-1000	PS 1020-1500	PS 1020-2000	PS 1040-1000
AC输入电压		Input voltage AC	400 V +/- 10% 3ph	400 V +/- 10% 3ph	400 V +/- 10% 3ph	400 V +/- 10% 3ph	400 V +/- 10% 3ph	400 V +/- 10% 3ph	400 V +/- 10% 3ph
- 频率		- Frequency	50...60 Hz	50...60 Hz	50...60 Hz	50...60 Hz	50...60 Hz	50...60 Hz	50...60 Hz
- 功率因素		- Power factor	>0.95	>0.95	>0.95	>0.95	>0.95	>0.95	>0.95
DC输出电压		Output voltage DC	0...10 V	0...10 V	0...20 V	0...20 V	0...20 V	0...20 V	0...40 V
- 精确度		- Accuracy	<0,5%	<0,5%	<0,5%	<0,5%	<0,5%	<0,5%	<0,5%
- 纹波		- Ripple	<1%	<1%	<1%	<1%	<1%	<1%	<1%
输出电流		Output current	0...1500 A	0...2000 A	0...750 A	0...1000 A	0...1500 A	0...2000 A	0...1000 A
- 精确度		- Accuracy	<1%	<1%	<1%	<1%	<1%	<1%	<1%
输出功率		Output power	15 kW	20 W	15 kW	20 kW	30 kW	40 kW	40 kW
尺寸 *	B	Dimensions *	W	509 mm	509 mm	509 mm	509 mm	564 mm	564 mm
	H		H	275 mm	355 mm	355 mm	355 mm	332 mm	332 mm
	T		D	470 mm	492 mm	492 mm	492 mm	817 mm	1027 mm
重量		Weight	~45 kg	~70 kg	~45 kg	~70 kg	~90 kg	~125 kg	~125 kg

* 仅为外壳尺寸, 非整体尺寸 / Enclosure only, not over all



Option/可选件 EA-PS 280



EA-PS 1060-4000



EA-PS 1060-4000

- 高效 >85%
- 输出功率: 45 kW 至 240 kW
- 输出电压: 0...40 V 或 0...60 V
- 输出电流: 0...750 A 至 0...4000 A
- 恒压和恒流调整
- 工作温度 0-35°C (按需也可做 40°C)
- 浪涌电流限制
- 风扇制冷, 最大风量有 1080-3240 m³/h
- 机柜式外壳 (1-3 个)
- 用铜条当直流输出端
- 可选项:
 - 用电脑编程 (RS485 / LAN / Profibus 等)
 - 模块化, 可接外部控制键 EA-PS 280
 - 模拟接口 (0...10 V)
 - 模拟接口用隔离放大器
 - 远程感测

- High efficiency >85%
- Output power ratings: 45 kW up to 240 kW
- Output voltages: 0...40 V or 0...60 V
- Output currents: 0...750 A up to 0...4000 A
- Constant voltage and current regulation
- Operation temp range 0-35°C (40°C upon request)
- Inrush current limit
- Air cooling by fan, air volume max. 1080-3240 m³/h
- Delivered as cabinet (1-3 pcs)
- DC output connection via copper bars
- Options
 - Programming via PC (RS485/Profibus/LAN etc.)
 - Modular, mobile control unit EA-PS 280
 - Analog interface (0...10 V)
 - Isolated analog amplifiers
 - Remote sensing

技术参数	Technical Data	PS 1040-1500	PS 1040-2000	PS 1040-3000	PS 1040-4000	PS 1060-800
AC输入电压	Input voltage AC	400 V +/- 10% 3ph	400 V +/- 10% 3ph	400 V +/- 10% 3ph	400 V +/- 10% 3ph	400 V +/- 10% 3ph
- 频率	- Frequency	50...60 Hz	50...60 Hz	50...60 Hz	50...60 Hz	50...60 Hz
- 功率因素	- Power factor	>0.95	>0.95	>0.95	>0.95	>0.95
DC输出电压	Output voltage DC	0...40 V	0...40 V	0...40 V	0...40 V	0...60 V
- 精确度	- Accuracy	<0,5%	<0,5%	<0,5%	<0,5%	<0,5%
- 纹波	- Ripple	<1%	<1%	<1%	<1%	<1%
输出电流	Output current	0...1500 A	0...2000 A	0...3000 A	0...4000 A	0...800 A
- 精确度	- Accuracy	<1%	<1%	<1%	<1%	<1%
输出功率	Output power	60 kW	80 kW	120 kW	160 kW	48 kW
尺寸 (宽x高x长) *	Dimensions (WxHxD)*	600x2200x600 mm	600x2200x600 mm	1200x2200x600 mm	1200x2200x600 mm	600x2200x600 mm
机柜数量	Number of cabinets	1x 42 HE/U	1x 42 HE/U	2x 42 HE/U	2x 42 HE/U	1x 42 HE/U
重量	Weight	~380 kg	~380 kg	~760 kg	~760 kg	~380 kg

技术参数	Technical Data	PS 1060-1000	PS 1060-1800	PS 1060-2000	PS 1060-3000	PS 1060-4000
AC输入电压	Input voltage AC	400 V +/- 10% 3ph	400 V +/- 10% 3ph	400 V +/- 10% 3ph	400 V +/- 10% 3ph	400 V +/- 10% 3ph
- 频率	- Frequency	50...60 Hz	50...60 Hz	50...60 Hz	50...60 Hz	50...60 Hz
- 功率因素	- Power factor	>0.95	>0.95	>0.95	>0.95	>0.95
DC输出电压	Output voltage DC	0...60 V	0...60 V	0...60 V	0...60 V	0...60 V
- 精确度	- Accuracy	<0,5%	<0,5%	<0,5%	<0,5%	<0,5%
- 纹波	- Ripple	<1%	<1%	<1%	<1%	<1%
输出电流	Output current	0...1000 A	0...1800 A	0...2000 A	0...3000 A	0...4000 A
- 精确度	- Accuracy	<1%	<1%	<1%	<1%	<1%
输出功率	Output power	60 kW	108 kW	120 kW	180 kW	240 kW
尺寸 (宽x高x长) *	Dimensions (WxHxD)*	600x2200x600 mm	1200x2200x600 mm	1200x2200x600 mm	1800x2200x600 mm	1800x2200x600 mm
机柜数量	Number of cabinets	1x 42 HE/U	2x 42 HE/U	2x 42 HE/U	3x 42 HE/U	3x 42 HE/U
重量	Weight	~380 kg	~760 kg	~760 kg	~1140 kg	~1520 kg

* 仅为机柜外壳尺寸, 非整体尺寸 / Only outer cabinet dimensions, not over all