

# EA-PSE 9000 3U + WR 3.3 kW - 15 kW



可编程高效直流电源

Programmable high efficiency DC Power supplies



EA-PSE 9500-90 3U



- 多相输入电压340...460 V<sub>AC</sub> 或 342...528 V<sub>AC</sub> (WR)
- 效率高达95.5%
- 输出功率有: 3.3 kW, 5 kW, 6.6 kW, 10 kW, 15 kW还可扩展至480 kW
- 输出电压: 0...40 V 至 0...1500 V
- 输出电流: 30 A 至 510 A
- 灵活的功率调整输出
- 各种保护功能 (OVP, OCP, OPP, OTP)
- 带按键的蓝屏控制面板, 可显示实际值、设定值、状态与报警
- 隔离模拟接口
- 温控风扇制冷
- 符合SELV标准 (EN 60950)的40 V产品型号
- 放电电路 (在10 s内U<sub>out</sub> < 60 V)
- 内置USB端口与主-从端口
- 可选数字接口模块
- 支持SCPI指令语言

- AC input 400 V<sub>AC</sub> or wide range 342...528 V<sub>AC</sub>
- High efficiency up to 95.5%
- Output power ratings: 3.3 kW, 5 kW, 6.6 kW, 10 kW or 15 kW, expandable up to 480 kW
- Output voltages: 0...40 V up to 0...1500 V
- Output currents: 30 A up to 510 A
- Auto-ranging output stage
- Various protection circuits (OVP, OCP, OPP, OTP)
- Control panel with pushbuttons and blue LCD for actual values, set values, status and alarms
- Galvanically isolated, analog interface
- Temperature controlled fans for cooling
- 40 V models according to SELV (EN 60950)
- Discharge circuit (U<sub>out</sub> < 60 V in ≤ 10 s)
- USB port and master-slave integrated
- Optional, digital interface modules
- SCPI command language supported

## 概要

EA-PSE 9000 3U系列是一款由微处理器控制的高效实验室电源, 它融合了EA-PSI 9000 3U与EA-PS 9000 3U系列的一些重要特征。其交流供电与直流输出, 以及型号的技术规格都与这两个系列相同。

与EA-PS 9000 3U系列相比, 其不同之处在于, 可配备更多数量的数字接口, 甚至可以连接到现场总线。另外一方面, 与EA-PSI 9000 3U系列相比, 有意的减少了一些额外功能与手动操作。从而使PSE系列非常适用于仅用远程控制的系统。

与EA-PSI 9000 WR系列类似, 本系列也新增了宽范围型号, 即EA-PSE 9000 WR, 在2019年即可供应。

## General

The microprocessor controlled high efficiency laboratory power supplies of series EA-PSE 9000 3U merge some of important features of series EA-PSI 9000 3U and EA-PS 9000 3U. All technical specifications regarding AC supply and DC output, as well as all models are identical to those two series. The difference of the EA-PSE 9000 series devices compared to those of EA-PS 9000 3U is the bigger number of available digital interfaces, which even allow for the connection to field buses. This makes the PSE devices ideals for systems which are only used in remote control.

Similar to series EA-PSI 9000 WR, this series has been added wide range models from EA-PSE 9000 WR series in 2019

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## 主-从操作

所有产品标配有一个数字式主-从总线。通过它可并联最多32台同型号产品，将实际电压、电流与功率汇总，形成更大的系统。经产品上的控制面板，或经任意数字通讯接口的远程控制，可完成主-从系统的全部配置。主机的操作也手动控制，也可远程控制（任意接口）。

## 可选件

- 供RS232, CAN, CANopen, ModBus TCP, Profibus, Profinet, EtherCAT或Ethernet数字接口模块。其插槽位于产品后板，可轻松插入新的接口或者更换现有接口。详情见134。
- 水冷选项（近针对200 V以上型号）

## 技术参数

EA-PSE 9000 3U系列下列产品型号的其他技术规格，请参考EA-PS 9000 3U(从54页面开始)与EA-PSI 9000 WR(从36页面开始)系列同型号规格。这两种版本并非所有的型号都支持。

## Master-slave

All models feature a digital master-slave bus by default. It can be used to connect up to 32 units of identical models in parallel operation to a bigger system with totals formation of the actual value of voltage, current and power. The configuration of the master-slave system is either completely done on the control panels of the units or by remote control via any of digital communication interfaces. Handling of the master unit is possible by manual or remote control (any interface).

## Options

- Digital interface modules for RS232, CAN, CANopen, ModBus TCP, Profibus, Profinet, EtherCAT or Ethernet. The interface slot is located on the rear panel, making it easy for the user to plug in a new interface or to replace an existing one. See page 134.
- Water cooling (only for models up to 200 V)

## Technical specifications

For the remaining technical specifications of the below listed models please refer to the identical models of series EA-PS 9000 3U (from page 54) and EA-PSI 9000 WR (from page 36). Not all models are available in both versions.

技术参数	Technical Data	PSE 9040-170	PSE 9080-170	PSE 9200-70	PSE 9360-40	PSE 9500-30
额定电压&范围	Rated voltage & range	0...40 V (SELV)	0...80 V	0...200 V	0...360 V	0...500 V
额定电流&范围	Rated current & range	0...170 A	0...170 A	0...70 A	0...40 A	0...30 A
额定功率&范围	Rated power & range	0...3300 W	0...5000 W	0...5000 W	0...5000 W	0...5000 W
订购编号(3U型号)	Ordering nr. (3U model)	06230700	06230701	06230702	06230703	06230704
订购编号(WR型号)	Ordering nr. (WR model)	无供应/n. av.	06270701	06270702	06270703	06270704

技术参数	Technical Data	PSE 9750-20	PSE 9040-340	PSE 9080-340	PSE 9200-140	PSE 9360-80
额定电压&范围	Rated voltage & range	0...750 V	0...40 V (SELV)	0...80 V	0...200 V	0...360 V
额定电流&范围	Rated current & range	0...20 A	0...340 A	0...340 A	0...140 A	0...80 A
额定功率&范围	Rated power & range	0...5000 W	0...6600 W	0...10000 W	0...10000 W	0...10000 W
订购编号(3U型号)	Ordering nr. (3U model)	06230705	06230706	06230708	06230709	06230710
订购编号(WR型号)	Ordering nr. (WR model)	06270705	无供应/n. av.	06270708	06270709	06270710

技术参数	Technical Data	PSE 9500-60	PSE 9750-40	PSE 9040-510	PSE 9080-510	PSE 9200-210
额定电压&范围	Rated voltage & range	0...500 V	0...750 V	0...40 V (SELV)	0...80 V	0...200 V
额定电流&范围	Rated current & range	0...60 A	0...40 A	0...510 A	0...510 A	0...210 A
额定功率&范围	Rated power & range	0...10000 W	0...10000 W	0...10000 W	0...15000 W	0...15000 W
订购编号(3U型号)	Ordering nr. (3U model)	06230711	06230712	06230707	06230714	06230715
订购编号(WR型号)	Ordering nr. (WR model)	06270711	06270712	无供应/n. av.	06270714	06270715

技术参数	Technical Data	PSE 9360-120	PSE 9500-90	PSE 9750-60	PSE 91000-40	PSE 91500-30
额定电压&范围	Rated voltage & range	0...360 V	0...500 V	0...750 V	0...1000 V	0...1500 V
额定电流&范围	Rated current & range	0...120 A	0...90 A	0...60 A	0...40 A	0...30 A
额定功率&范围	Rated power & range	0...15000 W	0...15000 W	0...15000 W	0...15000 W	0...15000 W
订购编号(3U型号)	Ordering nr. (3U model)	06230716	06230717	06230718	无供应/n. av.	06230719
订购编号(WR型号)	Ordering nr. (WR model)	06270716	06270717	06270718	06270720	06270719

