

## POWER STATION pe4303

<b>Output power:</b>	480 - 4000 Watts (400V/3~/50-60Hz)	<b>Typical applications:</b>	Laboratory plating lines
<b>DC current:</b>	120 - 350 A (max. 350 A / 6 V)	Precious metal plating	Reel-to-reel plating
<b>DC voltage:</b>	4 - 30 V (max. 1000 V / 4 A)	PCB lines	Manual plating lines

Desk top DC power supply in switch mode technology, designed for use in electroplating.



POWER STATION pe4303, front view



POWER STATION pe4303, back view

### Characteristic values

Linearity inaccuracy < 1 %

Ripple less than < 1 %

Efficiency typical > 85 %

Powerfactor  $\cos \phi$  0,95

Constant current and voltage control

Soft start function

Over temperature protection

Current and voltage preset

Precise current and voltage settings via 10-turn potentiometer (270° or other on request)

Internal shunt with 60 mV at  $I_{nenn}$

Mains supply: standard 3 x 400 V +/- 10 % / 50-60 Hz without N (other voltages on request)

### Cooling

Optimized cooling air guiding, air consumption max. 180m<sup>3</sup>/h

Cooling air outlet in front panel (turned air flow on request)

Ambient temperature 35°C (other on request)

### Design

Compact desktop unit, protection grade IP21

Casing powder coated colour RAL 7035 (Standard)

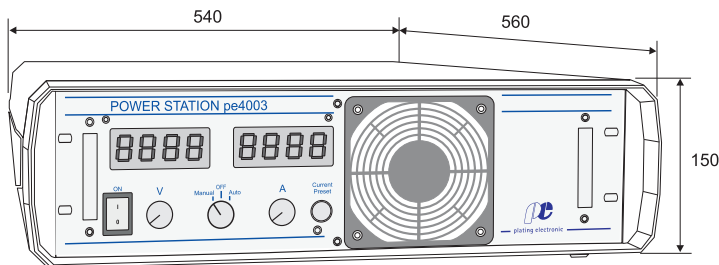
Anodized aluminium front panel

DC connection in back panel

EMV: EN50011 class A, group B ; EN61000-6-4 and EN61000-6-2;  
CE-conformity low voltage guide line: EN50178

Values	Standard sizes – DC output <sup>1</sup>										<sup>1</sup> other sizes on request		
	350 A			300 A			250 A	200 A		150 A	120 A	4A	
DC current													
DC voltage	4 V	5 V	6 V	8 V	10 V	12 V	15 V	18 V	20 V	24 V	30 V	1000 V	
Mains supply	3x400 V AC												
Weight	approx. 28-33 kg												

### Standard dimensions



### Control

Analog signals Iset, Uset, Iact, Uact = 0-10 V

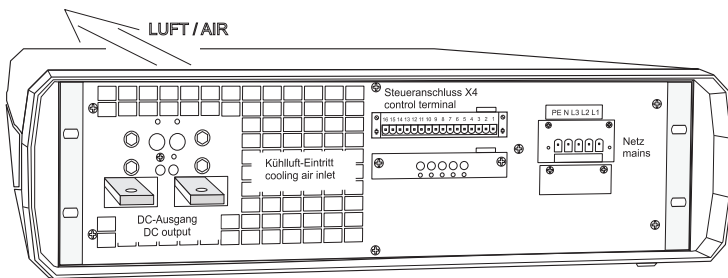
### Control optional available

Analog signals galvanically isolated via isolation amplifier:  
0-10V, 4-20mA, 0-20mA (other on request), X4-terminal

Serial interface RS485: X6 and X7 terminal

### Optional available

Separate electronic controlled pole changer



### DC output bus bars

### DC output bus bars

Tin-coated copper bars

Size, location and design of the DC output bus bars may differ from the standard

Technical equipment, design and features: subject to change! For further information please contact plating electronic GmbH.