

Output power:	240 - 2000 Watts (230V/1~/50-60Hz)	Typical applications:	
DC current:	60 - 250 A (max. 250 A / 8 V)	Precious metal plating	Laboratory plating lines
DC voltage:	4 - 30 V (max. 1000 V / 2 A)	PCB lines	Manual plating lines

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



POWER STATION pe4003, front 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

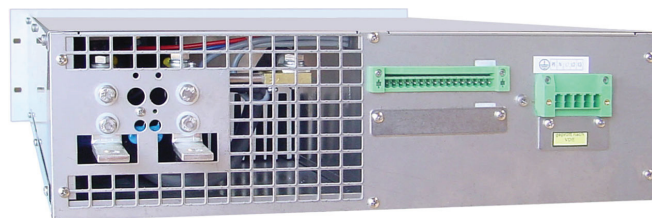
Over temperature protection

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 230 V +/- 10 % / 50-60 Hz (other voltages on request)



POWER STATION pe4003, back view

Cooling

Optimized cooling air guiding, air consumption max. 180m³/h

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

Ambient temperature 35°C (other on request)

Design

Protection grade IP20

Stainless steel casing, anodized aluminium front panel

DC connection in back panel

Easy installation

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 ¹									other sizes on request		
DC current	250 A				200 A	150 A	120 A	100 A		80 A	60 A	2 A
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	230 V AC											
Weight	approx. 10–15 kg											

Standard dimensions



Control

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

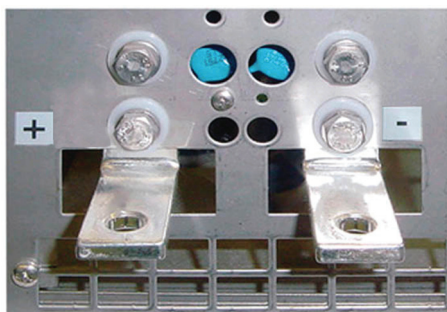
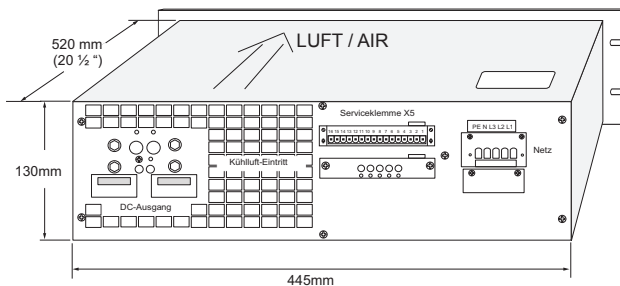
Control optional available

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.