

Output power: 800 - 6000 Watts
DC current: 200 - 600 A (max. 600 A / 8 V)
DC voltage: 4 - 30 V (max. 1000 V / 5 A)

Typical applications:
Precious metal plating Laboratory plating lines
PCB lines Manual plating lines

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



POWER STATION pe4304, front view



POWER STATION pe4304, 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. 360m³/h
Cooling air outlet in front panel (turned air flow on request)
Ambient temperature 35°C (other on request)

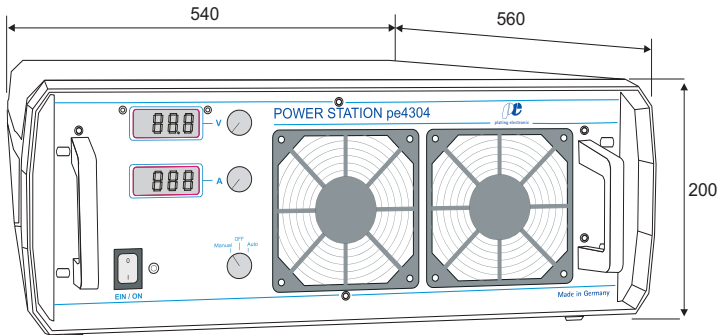
Design

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 ¹										¹ other sizes on request	
DC current	600 A				500 A	400 A	350 A	300 A		250 A	200 A	5 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	3 x 400 V AC											
Weight	approx. 22 kg											

Standard dimensions



Control

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

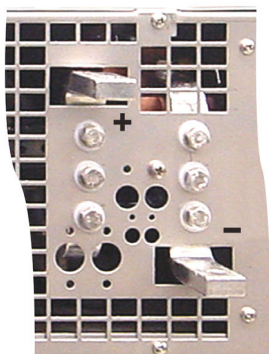
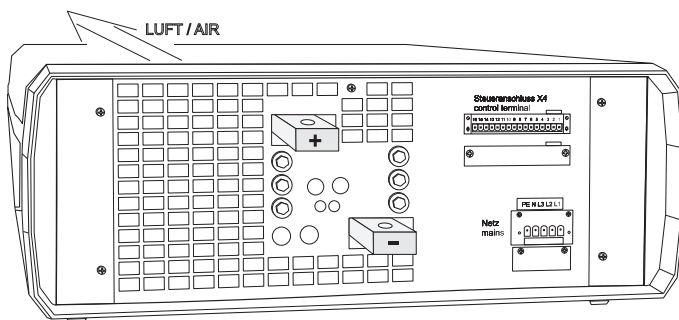
Control optional available

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.