

Output power:	0 - 6000 Watts	Typical applications:	Laboratory plating lines
DC current:	10 - 300 A (max. 300 A / 20 V)	Precious metal plating	Reel-to-reel plating
DC voltage:	4 - 600 V (max. 600 V / 10 A)	PCB lines	Manual plating lines

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



POWER STATION pe4606, front view



POWER STATION pe4606, back view

Characteristic values

Linearity inaccuracy:

- for amperage < 1 %
- for voltage < 0.5 %

Ripple less than < 1 %

Efficiency typical > 85 %

Powerfactor cos φ 0,95

Constant current and voltage control

Soft start function

Mains supply: standard 3x380 V - 460 V +/- 10 % / 50-60 Hz,
(230 V +/- 10 % / 50-60 Hz and other voltage on request)

Cooling

Optimized cooling air guiding, air consumption max. 100m³/h

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

Ambient temperature 35°C (other on request)

Design

Protection grade IP33 (fan: IP20)

Anodized aluminium front panel

DC connector in back panel

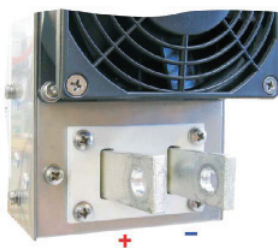
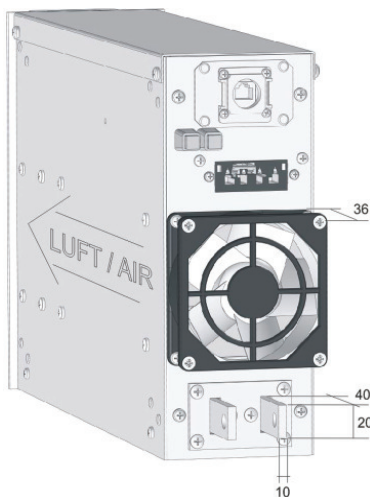
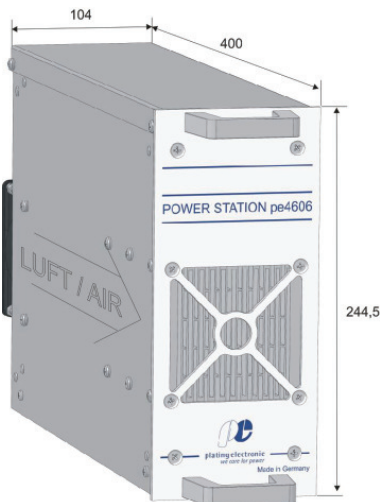
Easy installation

Standard version: see picture

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	
	300 A										200 A	10 A
DC current												
DC voltage	4 V	5 V	6 V	8 V	10 V	12 V	15 V	18 V	20 V	30 V	600 V	
Mains supply	3 x 380 V - 460 V AC											
Weight	approx. 12 kg											

Standard dimensions



DC output bus bars



DC high voltage clamps

Control

Standard: peRB-interface

Optional: external control via analog signals, also with integrated isolation amplifier

Signals: 0-10V
0-1V
4-20mA
0-20mA (other on request)

Control unit pe280
for the controlling of
DC power supplies of
the series POWER STATION pe4606

Designed for electroplating applications

Large 3-line LCD-display,
polycarbonate-keypad for easy operation
Current and voltage infinitely adjustable
by UP / DOWN buttons

Current and voltage preset

Ampere-hour counter (totalizer)

Protection grade: IP54

Ambient temperature max. 40°C



Optional available functions

Preset counter, dosage counter *

Ramp function (start / stop ramp)

Timer function for ON / OFF *

Voltage / current alarm *

Operating hours counter

Chopper timer (pulse-capable rectifier type requested)

Pole changer function (mechanical / electronic) *

Programmable DC steps (14 individual steps) *

Extern ON

* Indication / alarm output

Control via: RS485, PROFIBUS, TCP/IP (other on request)

DC connector

Tin-coated copper bars *

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

* DC output bus bars from 30A or up to 49V

* High voltage clamps from 0 - 30A or from 50V

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