

POWER STATION pe4606-2

Output power:	5000 - 12 000 Watts	Typical applications:	Laboratory plating lines
DC current:	300 - 600 A (max. 600 A / 20 V)	Precious metal plating	Reel-to-reel plating
DC voltage:	4 - 600 V (max. 600 V / 15 A)	PCB lines	Manual plating lines

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



POWER STATION pe4606-2, front view



POWER STATION pe4606-2, 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

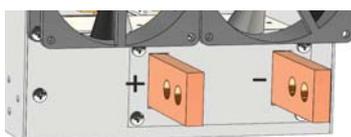
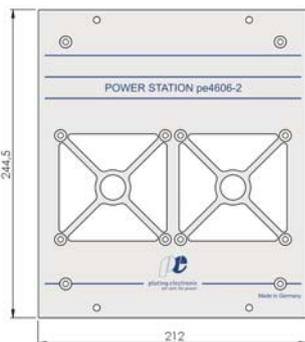
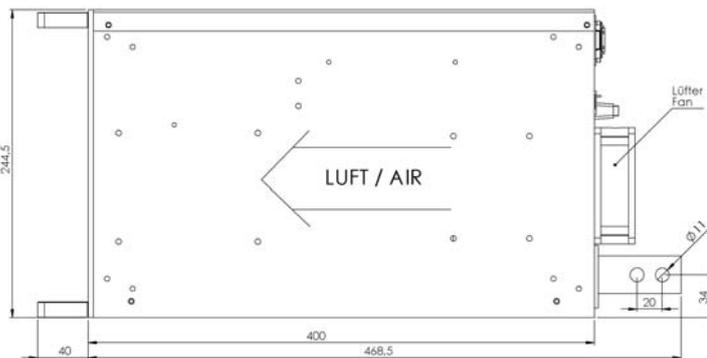
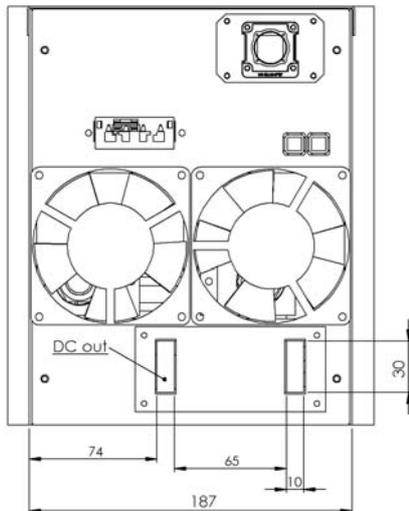
Easy installation

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			
	600 A										500 A	400 A	120 A	15 A
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	100 V	600 V	
Mains supply	3 x 380 V - 460 V AC													
Weight	approx. 24 kg													

Standard dimensions



DC output bus bars

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 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.