

<b>Output power:</b>	<b>30 - 600 Watts</b>
<b>DC current:</b>	<b>5 - 60 A (max. 60 A / 10 V)</b>
<b>DC voltage:</b>	<b>6 - 30 V (max. 30 V / 20 A)</b>

<b>Typical applications:</b>	Laboratory plating lines
Precious metal plating	Reel-to-reel plating
PCB lines	Manual plating lines

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



POWER STATION pe4616, front view

### Characteristic values

Linearity inaccuracy:  
- for amperage < 0.5 %  
- for voltage < 0.5 %

Ripple less than < 0.5 %

Efficiency typical > 85 %

Constant current and voltage control

Soft start function

Mains supply: standard 230 V +/- 10 % / 50-60 Hz

### Cooling

Optimized cooling air guiding, air consumption max. 100m<sup>3</sup>/h

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

Ambient temperature 35°C (other on request)



POWER STATION pe4616, back view

### Design

Protection grade IP33 (fan: IP20)

Anodized aluminium front panel

DC connector in back panel

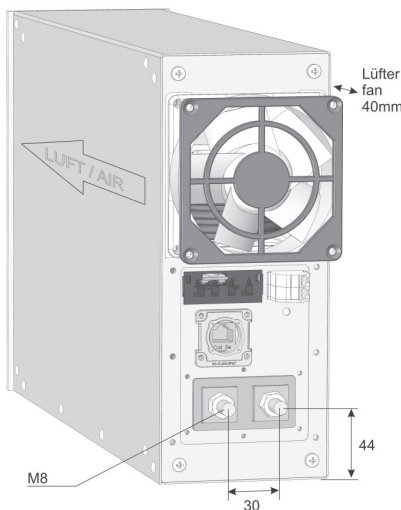
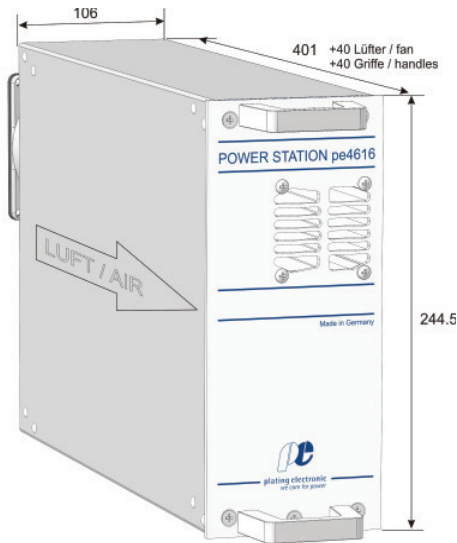
Easy installation

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 <sup>1</sup>						<sup>1</sup> other sizes on request
	50-60 A		40 A	30 A	20 A	10 A	
DC current	50-60 A		40 A	30 A	20 A	10 A	5 A
DC voltage	6 V	10 V	6 -15V	6 - 20V	6 - 30V	6V - 10V - 15V - 20V - 25V - 30V	6V - 10V - 15V - 20V - 25V - 30V
Mains supply	230 V AC / 50-60Hz						
Weight	approx. 7.5 kg						

### Standard dimensions



### DC output screw M8

### 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 pe4616

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

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

M8 screw, max. torque: 9Nm

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.