

<b>Output power:</b>	<b>max. 6000 Watt</b>	<b>Typical applications:</b>	Laboratory plating lines
<b>DC current:</b>	<b>max. 300A (at 20V)</b>	Precious metal plating	Reel-to-reel plating
<b>DC voltage:</b>	<b>max. 600V (at 10A)</b>	PCB lines	Manual plating lines

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



POWER STATION pe4303-ESK, front view



POWER STATION pe4303-ESK, 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

Over temperature protection

Current and voltage preset

Digital displays for current and voltage

Precise current and voltage settings via 10-turn potentiometer (270° or other on request)

Mains supply: 3 x 400 V +/- 10 % / 50-60 Hz without N (at 3kW)  
1 x 230 V +/- 10 % / 50-60 Hz with N  
(other voltages on request)

### 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)

### Design

Compact desktop unit

Protection grade IP21; sealed air duct

Casing powder coated colour RAL 7035 (Standard)

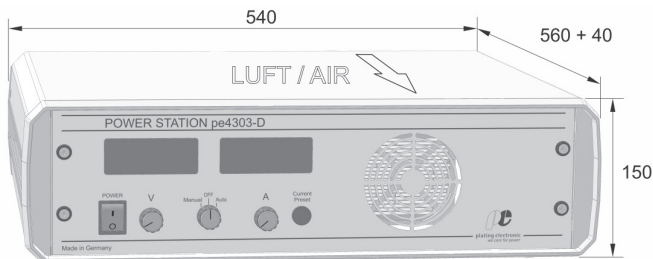
Aluminium front panel with polycarbonat film

DC connection in back panel

EMV: EN55011 Klasse A, Gruppe 1 ; EN61000-6-4 und EN61000-6-2  
CE-Konformität EN50178 - Niederspannungsrichtlinie

Values	Standard sizes - DC output <sup>1</sup>						other sizes on request	
	6 V	10 V	12 V	15 V	18 V	20 V	200 A	10 A
DC current	300 A							
DC voltage							30 V	600 V
Mains supply	3 x 400 V AC / 1 x 230 V AC							
Weight	approx. 12 kg							

### Standard dimensions

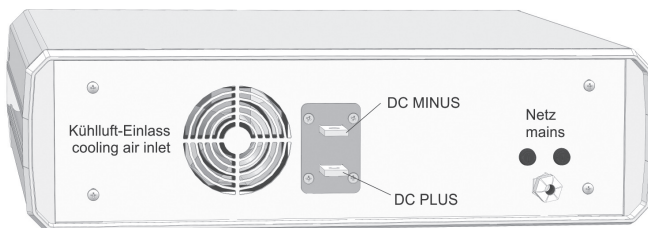


### Control optional available

Analog signals galvanically isolated via isolation amplifier:  
0-10V, 4-20mA, 0-20mA (other on request)

### Optional available

Separate electronic controlled pole changer max. 150A



### DC connector

For current output >50A and voltage <40V, there are tin plated copper bus bars located in the back panel of the device

For voltage output >40V there are high voltage clamps located in the back panel of the device



DC tin plated copper bus bars installed in back panel



DC high voltage clamps installed in back panel

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