

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

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



POWER STATION pe4003, front view



POWER STATION pe4003, back view

Characteristic values

Linearity inaccuracy:

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

Ripple less than < 1 %

Efficiency typical > 85 %

Powerfactor $\cos \varphi$ 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. 100m³/h

Cooling air outlet at the device back panel

Ambient temperature 35°C (other on request)

Design

Protection grade IP20; sealed air duct

Stainless steel casing

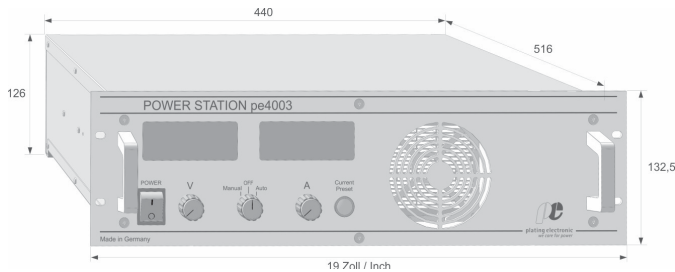
Aluminium front panel with polycarbonat film

DC connection in back panel

EMV: EN55011 class A, group 1 ; EN61000-6-4 and EN61000-6-2;
CE-conformity IEN50178 - low voltage guide line

values	Standard sizes - DC output ¹						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 output bus bars



DC-HDF-clamps

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

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