

Output power:	max.	500 Watt	Typical applications:	Laboratory plating lines
DC current:	max.	50A (at 10V)	Precious metal plating	Reel-to-reel plating
DC voltage:	max.	30V (at 10A)	PCB lines	Manual plating lines

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



POWER STATION pe1018-2-SNT, front view



POWER STATION pe1018-2-SNT, back view

Characteristic values

Linearity inaccuracy < 0.5 %

Ripple less than < 0.5 %

Efficiency typical > 85 %

Powerfactor $\cos \phi$ 0,95

Constant current and voltage control

Soft start function

Over temperature protection

Current and voltage preset

Programmable control unit

Large 3-line LCD display

Keypad for operation and programming

Integrated Ampere-hour counter (totalizer)

(preset counter and other functions optional available)

Mains supply: standard 100 - 265 V 50-60 Hz

(other voltages on request)

Cooling

Optimized cooling air guiding, air consumption max. 50m³/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

Casing powder coated colour RAL 9018 (Standard)

Aluminium front panel with polycarbonat film

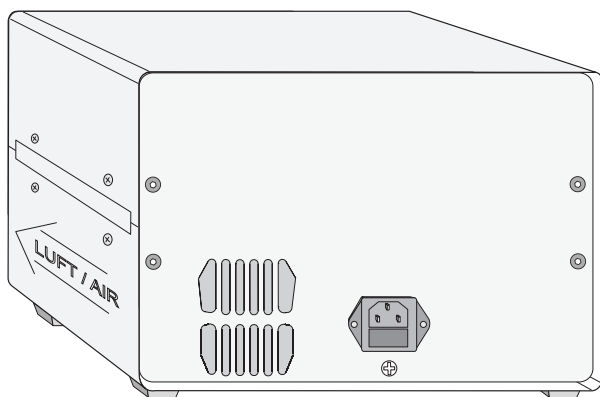
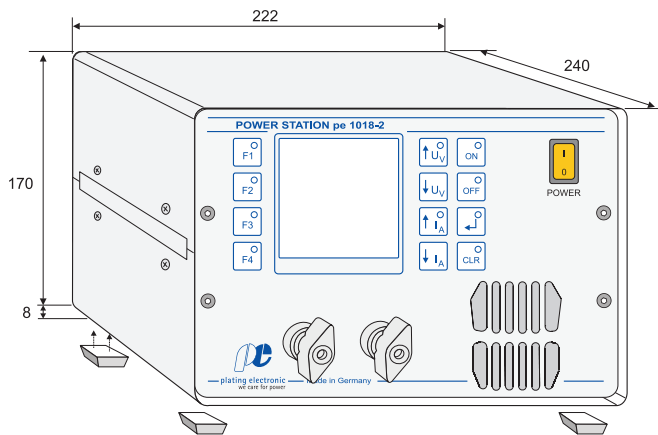
DC connection in front or back panel (lead through bolts or oval flat clamp)

Easy installation

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

Values	Standard sizes - DC output ¹						¹ other sizes on request
	50 A		30 A	20 A		10 A	
DC current	50 A		30 A	20 A		10 A	
DC voltage	6 V	10 V	15 V	20 V	25 V	30 V	
Mains supply	230 V AC						
Weight	approx. 8 kg						

Standard dimensions



Back view

DC lead through bolts



Front view

DC oval flat clamp

Control optional available

Analog signals galvanically isolated:
0-10V, 4-20mA, 0-20mA (other on request), X4-terminal

Serial interface RS485: X6 and X7 terminal

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
- Pole changer function for ext. Pole changer (mechanical / electronic) *
- Programmable DC steps (14 individual steps) *
- Extern ON / External enabling
- * Indication / alarm output

DC connector

can be installed in front or back panel

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

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