

Output power:	max.	200 Watt	Typical applications:	Laboratory plating lines
DC current:	max.	12A (at 15V)	Precious metal plating	Reel-to-reel plating
DC voltage:	max.	30V (at 2A)	PCB lines	Manual plating lines

DC power supply linear controlled, designed for use in electroplating.



POWER STATION pe1018-2, front view



POWER STATION pe1018-2, back view

Characteristic values

Linearity inaccuracy < 0.3 %
Ripple less than < 0.2 %
Powerfactor $\cos \varphi$ 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 230 V +/- 10 % / 50-60 Hz (other voltages on request)

Cooling

Optimized cooling air guiding, air consumption max. 50m ³ /h
Cooling air outlet at the device back panel
Ambient temperature 35°C (other on request)

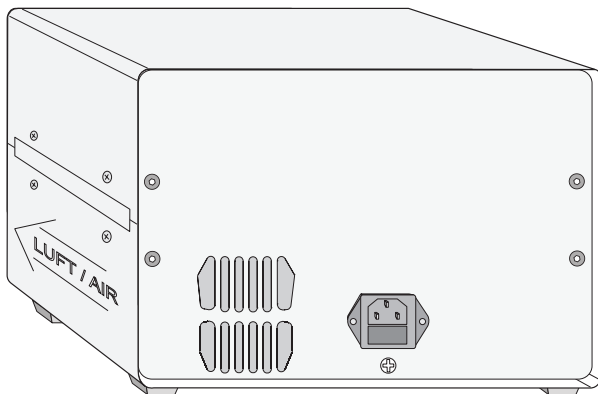
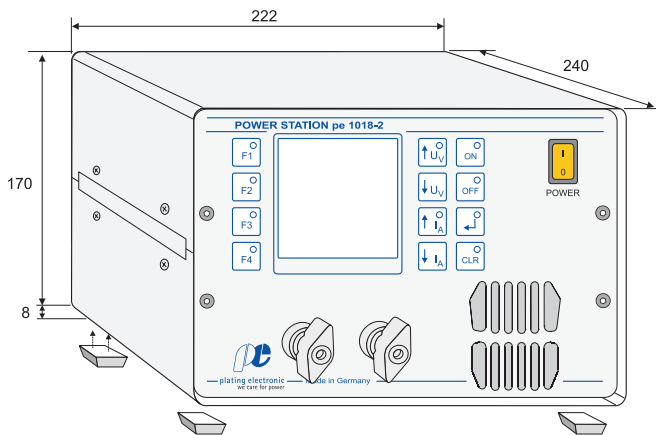
Design

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										other sizes on request		
	12 A					10 A		8 A	6 A	2 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	
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 via isolation amplifier:
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 (mechanical / electronic) *
- Programmable DC steps (14 individual steps) *
- Extern ON / External enabling
- * Indication / alarm output

Optional available

Separate electronic controlled pole changer

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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