

Output power:	20 - 200 Watts	Typical applications:	Laboratory plating lines
DC current:	2 - 12 A (max. 12 A / 15 V)	Precious metal plating	Reel-to-reel plating
DC voltage:	4 - 30 V (max. 100 V / 2 A)	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 < 0.5 %
Ripple less than < 0,5 %
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)

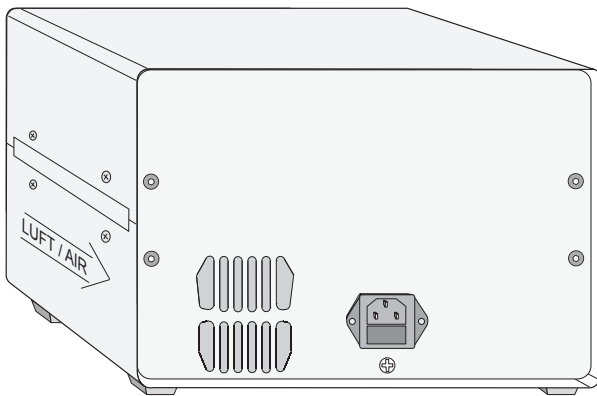
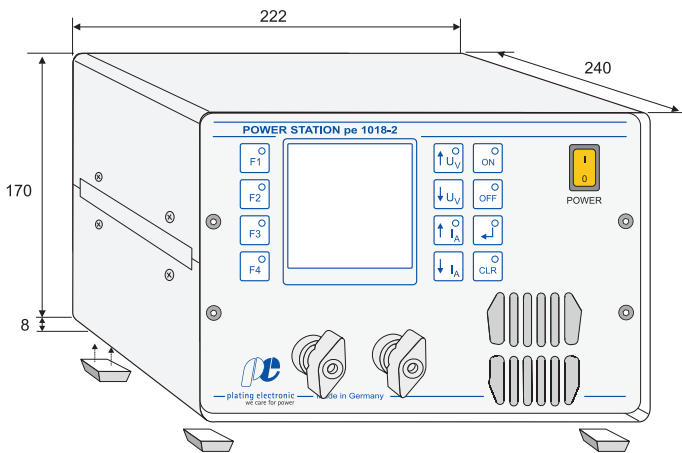
Design

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

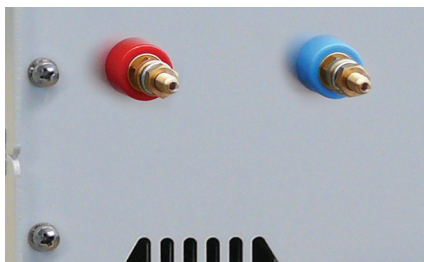
EMV: EN50011 class A, group B ; EN61000-6-4 and EN61000-6-2;
CE-conformity low voltage guide line: EN50178

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



DC oval flat clamp in front panel



DC lead through bolts in back panel

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

Pole changer function (mechanical / electronic) *

Programmable DC steps (14 individual steps) *

* 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.