

Output power: 60 - 500 Watts
DC current: 10 - 50 A (max. 50 A / 10 V)
DC voltage: 6 - 30 V (max. 30 V / 10 A)

Typical applications: Laboratory plating lines
 Precious metal plating Reel-to-reel plating
 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 230 V +/- 10 % / 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)

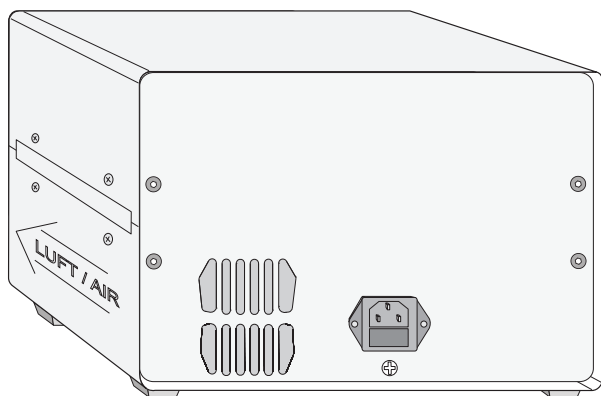
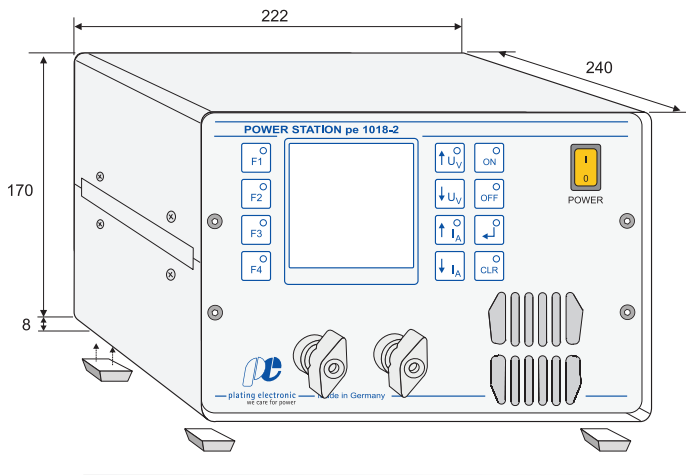
Design

- 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

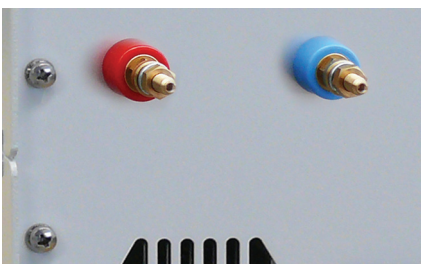
EMV: EN50011 class A, group B ; EN61000-6-4 and EN61000-6-2;
 CE-conformity low voltage guide line: EN50178

Values	Standard sizes – DC output ¹					¹ other sizes on request
	50 A	30 A	20 A	10 A		
DC current						
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



DC oval flat clamp in front panel



DC lead through bolts in back panel

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 (mechanical / electronic) *
- Programmable DC steps (14 individual steps) *
- Extern ON
- * 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.