

**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. 50m<sup>3</sup>/h  
 Cooling air outlet in front panel (turned air flow on request)  
 Ambient temperature 35°C (other on request)

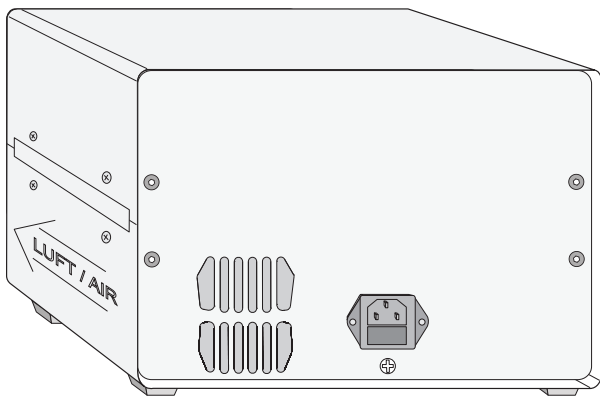
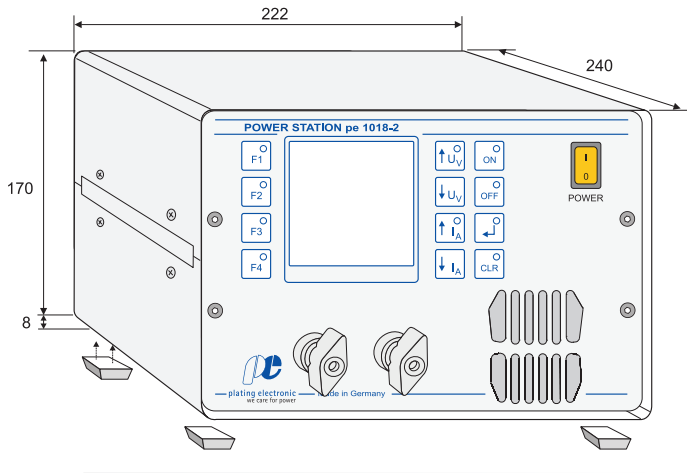
### Design

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

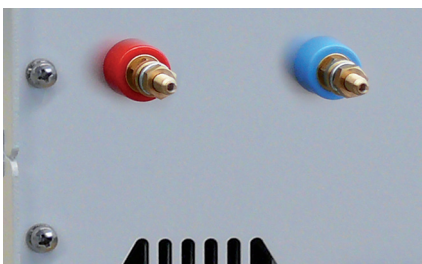
EMV: EN50011 class A, group B ; EN61000-6-4 and EN61000-6-2;  
 CE-conformity low voltage guide line: EN50178

Values	Standard sizes – DC output <sup>1</sup>					<sup>1</sup> 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.