DC POWER SUPPLY

POWER STATION pe1010

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Output power:	**12**	**-**	**120 Watts**	**Typical applications:**	Laboratory plating lines
DC current:	**2**	**-**	**12 A (max. 12 A / 10 V)**	Precious metal plating	Reel-to-reel plating
DC voltage:	**6**	**-**	**30 V (max. 30 V / 4 A)**	PCB lines	Manual plating lines

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

POWER STATION pe1010, front view

POWER STATION pe1010, back view

Characteristic values

- Linearity inaccuracy < 0,2 %
- Ripple less than < 0,2 %
- Powerfactor cos φ 0,95
- Constant current and voltage control
- Soft start function
- Over temperature protection
- Current and voltage preset
- Digital displays for current and voltage
- Precise current and voltage settings via 10-turn potentiometer (270° or other on request)
- Mains supply: standard 230 V +/- 10 % / 50-60 Hz (other voltages on request)

Cooling

- Optimized cooling air guiding, air consumption max. 160m³/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)

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
DC current	12 A					10 A	8 A	6 A		5 A	4 A
DC voltage	4 V	5 V	6 V	8 V	10 V	12 V	15 V	18 V	20 V	24 V	30 V
Mains supply	230 V AC										
Weight	approx. 5 kg							approx. 6,5 kg			

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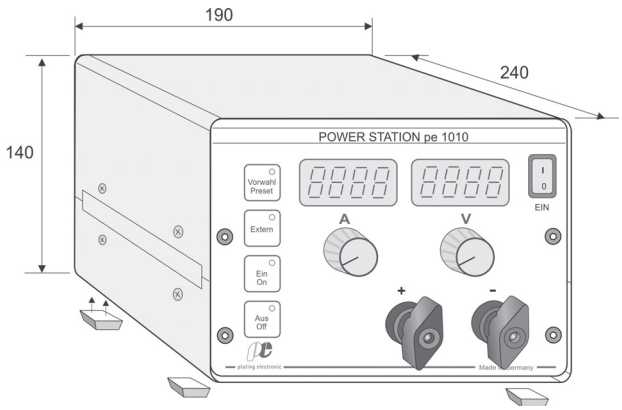
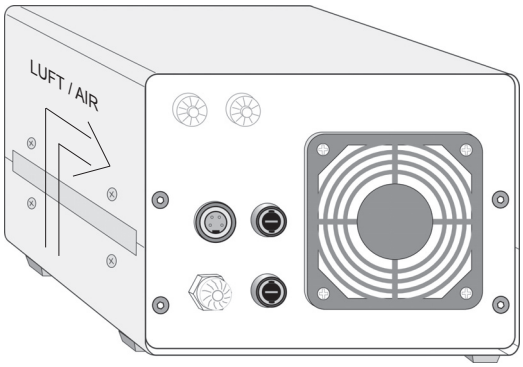
Standard dimensions





Optional available

External Ampere-hour counter (totalizer) and preset counter

External communication via isolation amplifier

Separate electronic controlled pole changer

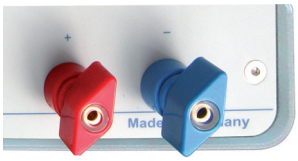
External high / low voltage alarm

Auto display resolution

Shunt signal

The shunt connector enables you to read the actual output current by internal shunt with 0 ... 60 mV for 0 ... I_{nenn}.

Back view
DC lead through bolts



Front view
DC oval flat clamp

DC connector

can be installed in front or back panel

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