

DC POWER SUPPLY

POWER STATION pe1068



plating electronic
we care for power

Output power:	240 - 2000 Watts (230V/1~ und 400V/3~/50-60Hz)	Typical applications:	Laboratory plating lines
DC current:	60 - 200 A (max. 200 A / 10V)	Precious metal plating	Reel-to-reel plating
DC voltage:	4 - 30 V (max. 600V / 3 A)	PCB lines	Manual plating lines

DC power supply in switch mode technology, designed for use in electroplating.



POWER STATION pe1068, front view



POWER STATION pe1068, back view

Characteristic values

Linearity inaccuracy < 1 %
Ripple less than < 1 %
Efficiency typical > 85 %
Powerfactor $\cos \varphi$ 0,95
Constant current and voltage control
Soft start function
Over temperature protection
Internal shunt with 60 mV at I_{nenn}
Integrated Ampere-hour counter (totalizer) (preset counter and other functions optional available)
Pulse operation optional
Mains supply: standard 230V AC or 3~400 V +/- 10 % / 50-60 Hz with N* (other voltages on request)

*Option: on request without N

Control

via integrated control panel with keypad and display, optional via external analog set values (also possible via integrated isolation amplifier), or BUS-signals (485, PROFIBUS, TCP/IP)

Cooling

Optimized cooling air guiding, air consumption max. 180m ³ /h
Ambient temperature 35°C (other on request)

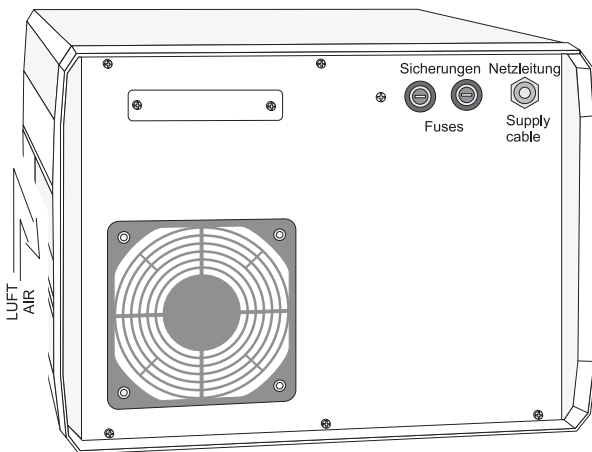
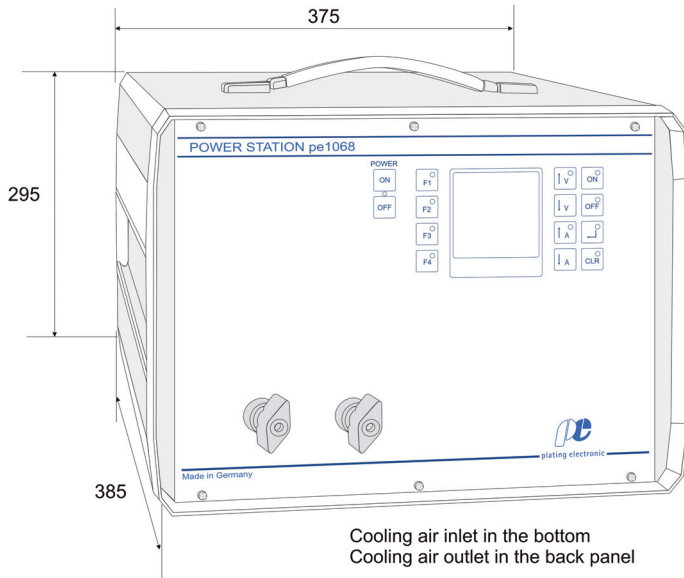
Design

Compact desktop unit, protection grade IP21
Casing powder coated colour RAL 9018 (Standard)
Aluminium front panel with polycarbonat film
DC connection in front panel (lead through bolts or oval flat clamp)
High voltage proof DC terminals (above 60 V)
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		
	200 A					150 A	100 A				80 A	60 A	3 A
DC current	4 V	5 V	6 V	8 V	10 V	12 V	15 V	18 V	20 V	24 V	30 V	600 V	
DC voltage													
Mains supply	3 x 400 V AC												
Weight	approx. 12 kg												

Standard dimensions



DC lead through bolts, up to 200A
can be installed in front panel

DC oval flat clamp, up to 200A
can be installed in front panel

Control

Analog signals Iset, Uset, Iact, Uact = 0-10 V

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 (pulse-capable rectifier type requested)

Pole changer function (mechanical / electronic) *

Programmable DC steps (14 individual steps) *

Extern ON

* Indication / alarm output

Optional available

Built-in electronic controlled pole changer up to an output power of 60A

DC connector

Technical equipment, design and features: subject to change! For further information please contact plating electronic GmbH.