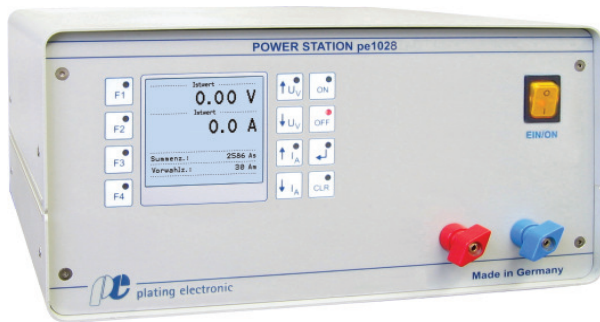


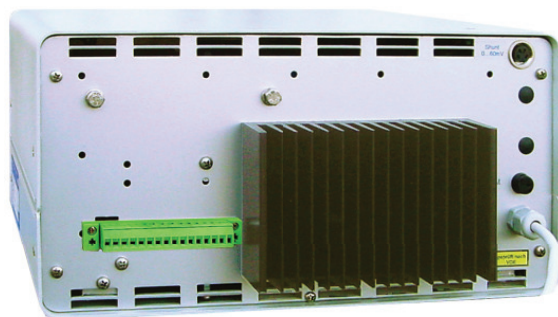
Output power: 100 - 750 Watts
DC current: 25 - 60 A (max. 60 A / 12 V)
DC voltage: 4 - 30 V (max. 250 V / 3 A)

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 pe1028, front view



POWER STATION pe1028, back view, up to 375 W



POWER STATION pe1028, back view, up to 750 W

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

Air cooled, convection cooling

Ambient temperature 35°C (other on request)

Design

Compact desktop unit, protection grade IP21

Casing powder coated colour RAL 9018 (Standard)

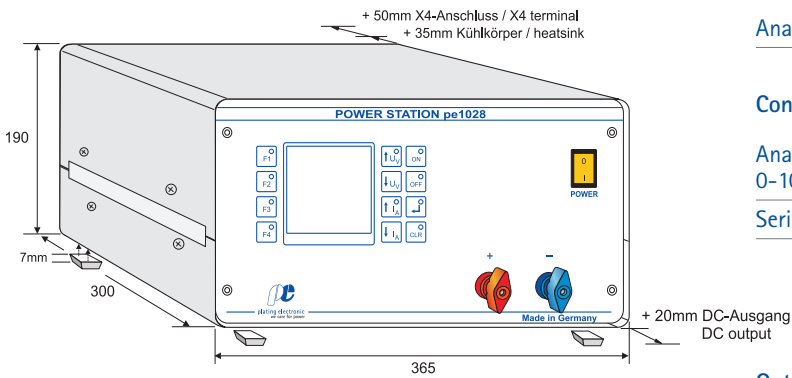
Aluminium front panel with polycarbonat film

DC connector: see page 2

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		
	60 A					50 A	40 A			30 A	25 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	250 V	
DC voltage	230 V AC												
Mains supply	approx. 9 kg												
Weight													

Standard dimensions



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

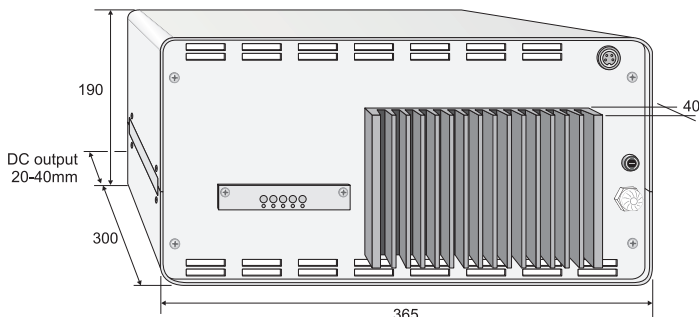
Chopper timer (pulse-capable rectifier type requested)

Pole changer function to control an external pole changer unit (mechanical / electronic) *

Programmable DC steps (14 individual steps) *

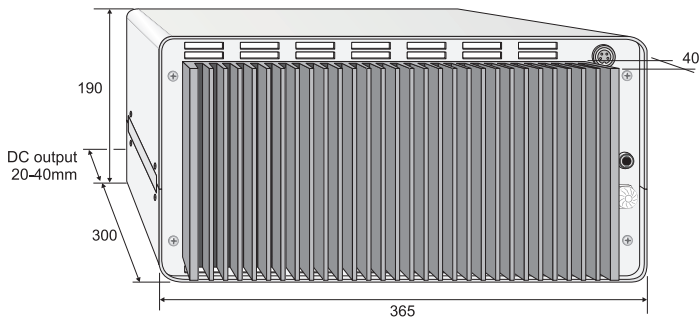
Extern ON

* Indication / alarm output



Optional available

Separate electronic controlled pole changer



DC connector



DC lead through bolts
can be installed in front or back panel

DC oval flat clamp
can be installed in front
panel

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