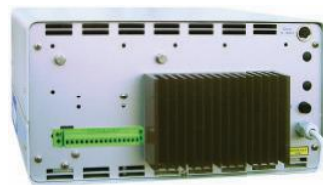


Output power:	max.	750 Watt	Typical applications:	Laboratory plating lines
DC current:	max.	60A (at 12V)	Precious metal plating	Reel-to-reel plating
DC voltage:	max.	250V (at 3A)	PCB lines	Manual plating lines

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



POWER STATION pe1028, front view



POWER STATION pe1028, back view, up to 750 W

Characteristic values

Linearity inaccuracy < 0.5 %
Ripple less than < 0.5 %
Efficiency typical > 85 %
Powerfactor cos ϕ 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)

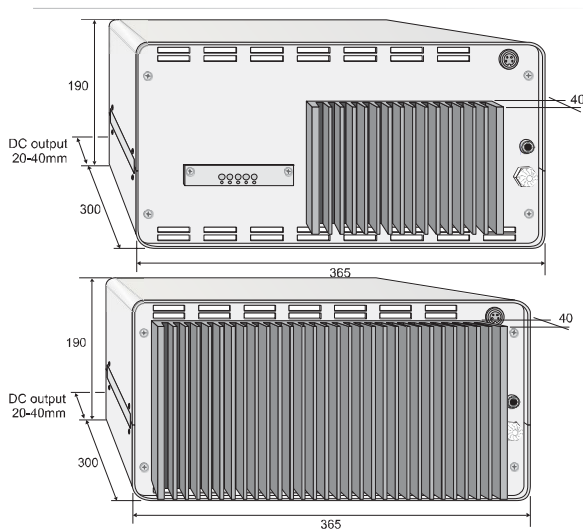
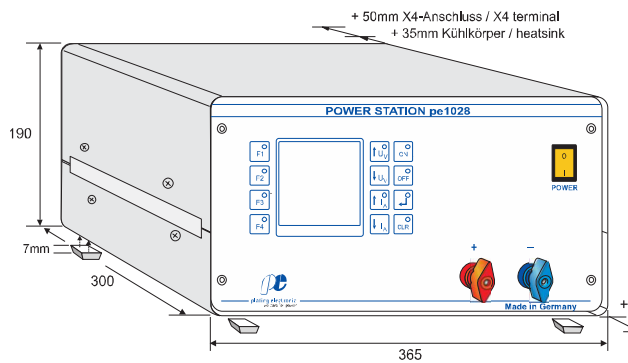
Design

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: EN55011 Klasse A, Gruppe 1 ; EN61000-6-4 und EN61000-6-2
CE-Konformität EN50178 - Niederspannungsrichtlinie

Values	Standard sizes – DC output ¹							¹ other sizes on request		
DC current	60 A				50 A	40 A		30 A	25 A	3 A
DC voltage	6 V	8 V	10 V	12 V	15 V	18 V	20 V	24 V	30 V	250 V
Mains supply	230 V AC									
Weight	approx. 9 kg									

Standard dimensions



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



DC oval flat clamp
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 to control an external pole changer unit
(mechanical / electronic) *

Programmable DC steps (14 individual steps) *

Extern ON / External enabling

* Indication / alarm output

Optional available

Separate electronic controlled pole changer

DC connector

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

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