

Output power:	max.	750 Watt	Typical applications:	Laboratory plating lines
DC current:	max.	50A (at 15V)	Precious metal plating	Reel-to-reel plating
DC voltage:	max.	30V (at 20A)	PCB lines	Manual plating lines

DC power supply with switch mode technology, designed for use in electroplating and/or for installation in a cabinet.



POWER STATION pe3100-1, front view, with peRB-interface



POWER STATION pe3100-1, front view, with analogue X4-interface

Characteristic values

Linearity inaccuracy < 0.5 %
Ripple less than < 0.5 %
Efficiency typical > 85 %
Constant current and voltage control
Soft start function
Over temperature protection
Pulse operation optional
Mains supply: standard 100 - 265 V 50-60 Hz (other voltages on request)

Cooling

Optimized cooling air guiding, air consumption max. 50m ³ /h
Cooling air outlet on DC output side (turned air flow on request)
Ambient temperature 35°C (other on request)

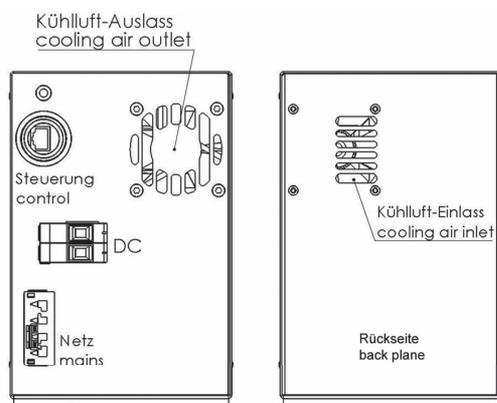
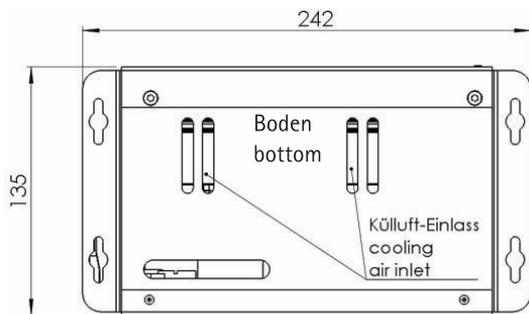
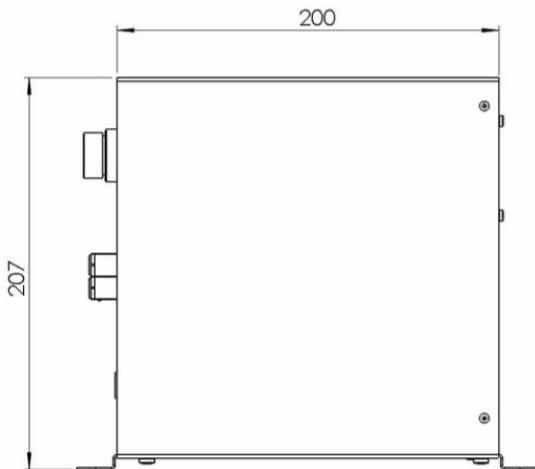
Design

Stainless steel casing, optional coated, protection grade IP20
DC connection via clamps, touch proof

EMV: EN55011 class A, group 1 ; EN61000-6-4 and EN61000-6-2;
CE-conformity IEN50178 - low voltage guide line

Values	Standard sizes – DC output ¹							¹ other sizes on request
	50 A			30A	20 A		20 A	
DC current	50 A			30A	20 A		20 A	
DC voltage	6V	10V	15V	25V	20 V	25 V	30 V	
Mains supply	90 – 250 V AC							
Weight	ca. 3 kg							

Standard dimensions



Control

Standard: peRB-interface

or

Analog signals galvanically isolated:

0-10V, 4-20mA, 0-20mA (other on request), X4-connector

Control unit pe280 for the controlling of DC power supplies

Designed for electroplating applications

Large 3-line LCD-display, Keypads for
easy programming/selection

Current and voltage infinitely adjustable

by UP / DOWN buttons

Current and voltage preset

Ampere-hour counter (totalizer)

Protection grade: IP54

Ambient temperature max. 40°C



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

Control via: RS485, PROFIBUS, TCP/IP (other on request)

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