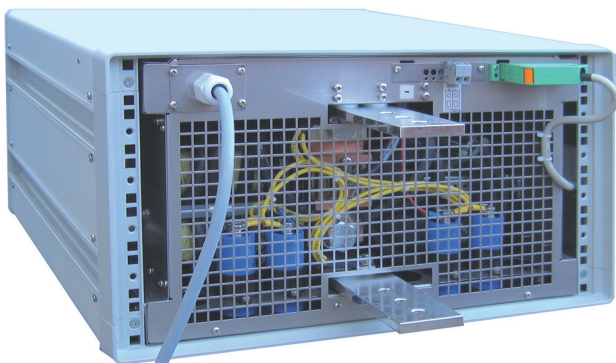


Output power:	1200 - 15000 Watts	Typical applications:	Laboratory plating lines
DC current:	500 - 2000 A (max. 2000 A / 10 V)	Precious metal plating	Reel-to-reel plating
DC voltage:	4 - 30 V (max. 1000 V / 15 A)	PCB lines	Manual plating lines

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



POWER STATION pe2050, front view



POWER STATION pe2050, back view

Characteristic values

Linearity inaccuracy < 1 %

Ripple less than < 1 %

Efficiency typical > 85 %

Powerfactor cos φ 0,95

Constant current and voltage control

Soft start function

Over temperature protection

Internal shunt with 60 mV at I_{nenn}

Mains supply: standard 3 x 400 V +/- 10 % / 50-60 Hz without N (other voltages on request)

Cooling

Optimized cooling air guiding, air consumption
up to 15000W max. 800m³/h

Cooling air outlet in front panel

Ambient temperature 35°C (other on request)

Design

Compact desktop unit, protection grade IP21

Casing powder coated colour RAL 9018 (Standard)

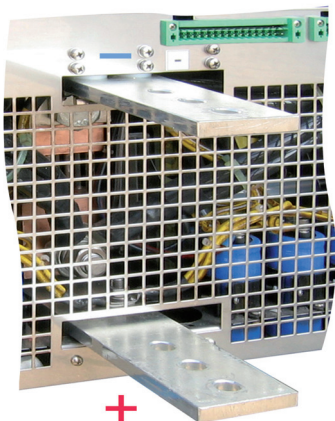
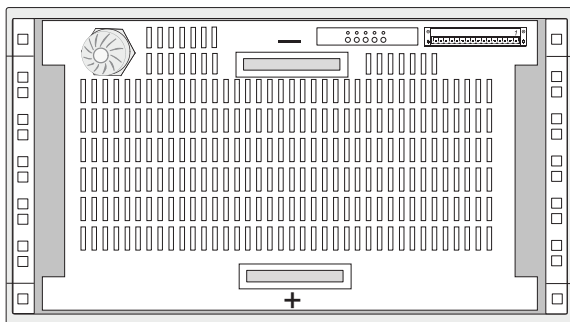
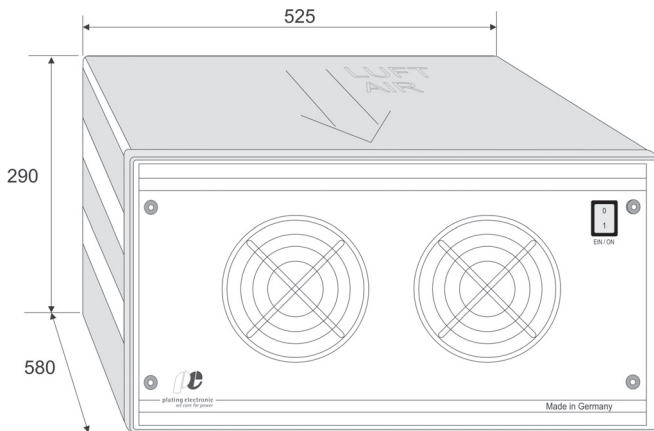
Aluminium front panel with polycarbonat film

DC connection in back panel

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	2000 A			1500 A		1200 A	1000 A	800 A	600 A		500 A	15 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	1000 V
Mains supply	3 x 400 V AC											
Weight	approx. 65–70 kg											

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

Control unit pe280 for the controlling of DC power supplies of the series POWER STATION pe2050

Designed for electroplating applications
Large 3-line LCD-display,
polycarbonate-keypad for easy operation
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)

DC connector

DC bus bars are located in the back panel of the unit

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