

Output power:	1600 - 12000 Watts	Typical applications:	Laboratory plating lines
DC current:	400 - 1200 A (max. 1200 A / 10 V)	Precious metal plating	Reel-to-reel plating
DC voltage:	4 - 30 V (max. 1000 V / 12 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
Current preset
Digital displays for current and voltage
Precise current and voltage settings via 10-turn potentiometer (270° or other on request)
Mains supply: standard 3x400 V +/- 10 % / 50-60 Hz without N (other voltages on request)

Cooling

Optimized cooling air guiding, air consumption	
up to 10000W:	max. 360m³/h
up to 12000W:	max. 540m³/h
Cooling air outlet in front panel	
Ambient temperature 35°C (other on request)	

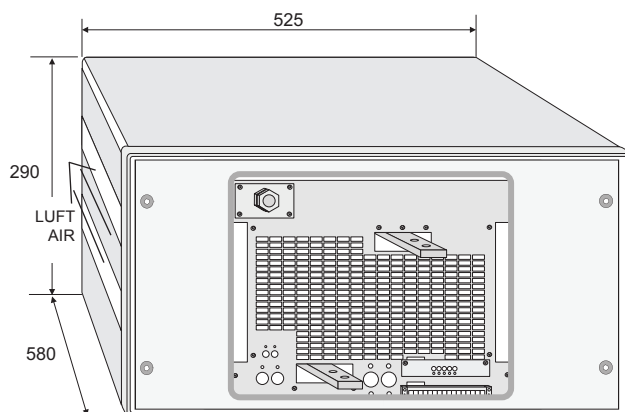
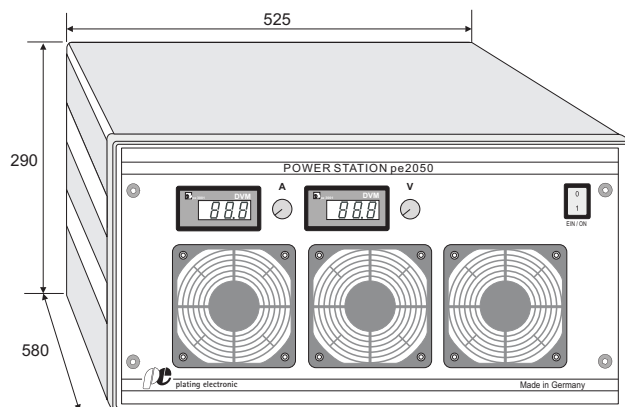
Design

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										other sizes on request	
DC current	1200 A					1000 A	600 A			500 A	400 A	12 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	3x400V AC											
Weight	approx. 50-70 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

Optional available

External Ampere-hour counter (totalizer) and preset counter

External communication via isolation amplifier

Separate electronic controlled pole changer

External high / low voltage alarm

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.