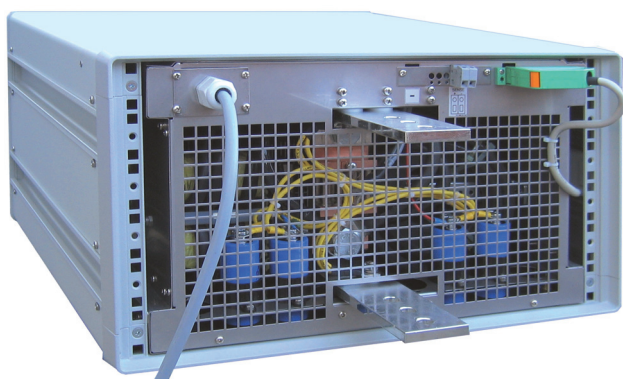


| | | | |
|----------------------|-----------------------------------|------------------------------|--------------------------|
| Output power: | 1600 - 12000 Watts | Typical applications: | Laboratory plating lines |
| DC current: | 400 - 1200 A (max. 1200 A / 10 V) | Precious metal plating | Reel-to-reel 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 $\cos \varphi$ 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. 360m ³ /h |
| up to 12000W: max. 540m ³ /h |
| Cooling air outlet in front panel |
| Ambient temperature 35°C (other on request) |

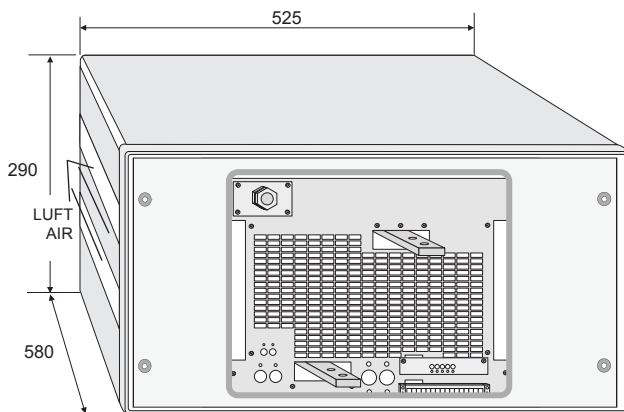
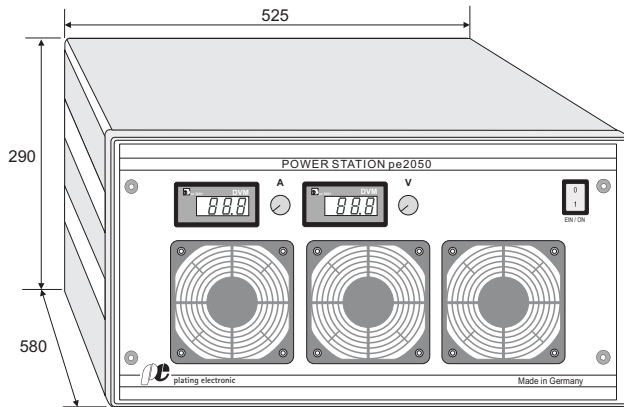
Design

| |
|-------------------------------------------------|
| 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 | | |
|--------------|-----------------------------------------|-----|-----|-----|------|--------|-------|------|------|------------------------|-------|--------|
| | 1200 A | | | | | 1000 A | 600 A | | | 500 A | 400 A | 12 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 | 1000 V |
| DC voltage | | | | | | | | | | | | |
| 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.