

Output power: 480 - 4000 Watts
DC current: 130 - 350 A (max. 350 A / 6 V)
DC voltage: 4 - 30 V (max. 1000 V / 4 A)

Typical applications:
 Precious metal plating Laboratory plating lines
 PCB lines Manual plating lines

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



POWER STATION pe4383, front view



POWER STATION pe4383, back view

Characteristic values

- Linearity inaccuracy < 1 %
- Ripple less than < 1 %
- Efficiency typical > 85 %
- Powerfactor $\cos \phi$ 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)
- Internal shunt with 60 mV at I_{nenn}
- Mains supply: standard 3x400 V +/- 10 % / 50-60 Hz without N
(other voltages on request)

Cooling

- Optimized cooling air guiding, air consumption max. 180m³/h
- Cooling air outlet in front panel (turned air flow on request)
- Ambient temperature 35°C (other on request)

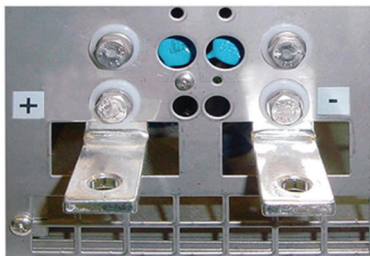
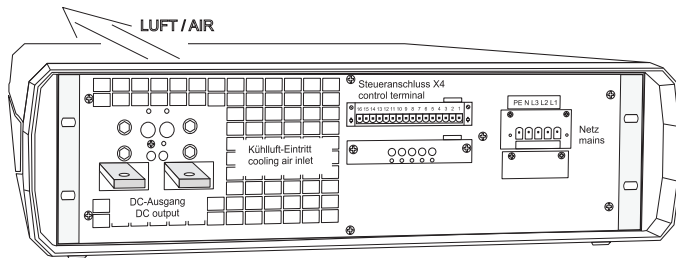
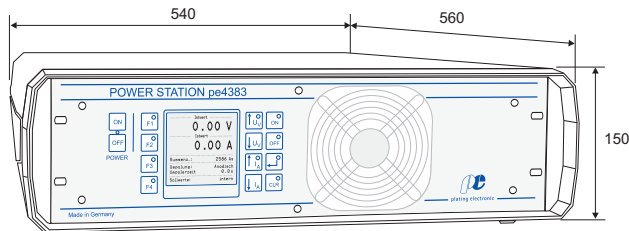
Design

- Compact desktop unit, protection grade IP21
- Casing powder coated colour RAL 7035 (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				
	350 A					300 A	250 A	200 A	160 A	130 A	4 A						
DC current																	
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. 28-33 kg																

Standard dimensions



DC output bus bars

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 (mechanical / electronic) *

Programmable DC steps (14 individual steps) *

Extern ON

* Indication / alarm output

Optional available

Separate electronic controlled pole changer

DC output bus bars

Tin-coated copper bars

Size, location and design of the DC output bus bars may differ from the standard

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