DC POWER SUPPLY

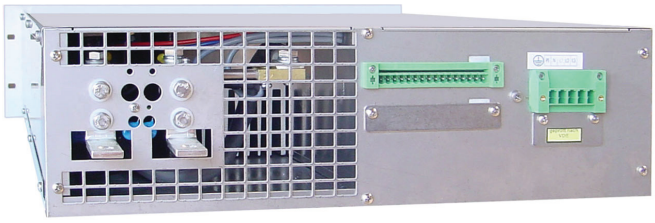
POWER STATION pe4003

plating electronic
we care for power

Output power:	**480**	**-**	**4000 Watts (400V/3~/50-60Hz)**	**Typical applications:**	
DC current:	**130**	**-**	**350 A (max. 350 A / 6 V)**	Precious metal plating	Laboratory plating lines
DC voltage:	**4**	**-**	**30 V (max. 1000 V / 4 A)**	PCB lines	Manual plating lines

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

POWER STATION pe4003, front view



POWER STATION pe4003, 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 and voltage preset
- Precise current and voltage settings via 10-turn potentiometer (270° or other on request)
- 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 max. 180m³/h
- Cooling air outlet in front panel (turned air flow on request)
- Ambient temperature 35°C (other on request)

Design

- Protection grade IP20
- Stainless steel casing, anodized aluminium front panel
- DC connection in back panel
- Easy installation

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	350 A					300 A	250 A	200 A		160 A	130 A		4 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. 25-30 kg												

plating electronic GmbH | 79211 Denzlingen | Fon +49 7666 9009-0 | www.plating.de
Marie-Curie-Straße 6 | Germany | Fax +49 7666 9009-44 | info@plating.de

plating electronic
we care for power

Standard dimensions

Control

Analog signals Iset, Uset, Iact, Uact = 0-10 V

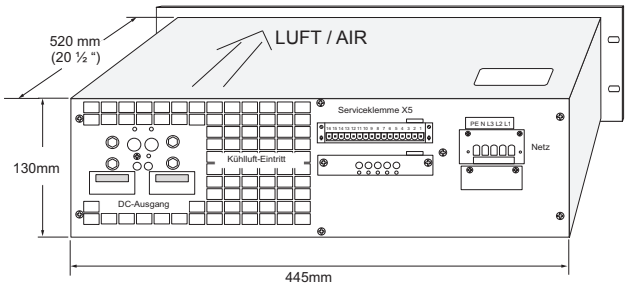
Control optional available

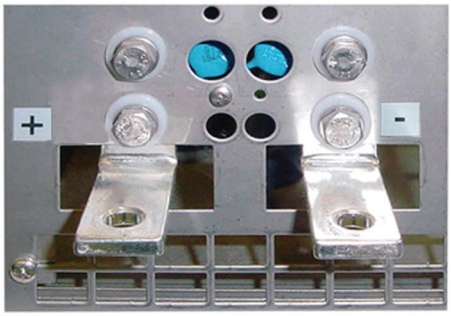
Analog signals galvanically isolated via isolation amplifier:
0-10V, 4-20mA, 0-20mA (other on request), X4-terminal

Serial interface RS485: X6 and X7 terminal

Optional available

Separate electronic controlled pole changer





DC output bus bars

DC output bus bars

Tin-coated copper bars

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

plating electronic GmbH | 79211 Denzlingen | Fon +49 7666 9009-0 | www.plating.de
Marie-Curie-Straße 6 | Germany | Fax +49 7666 9009-44 | info@plating.de