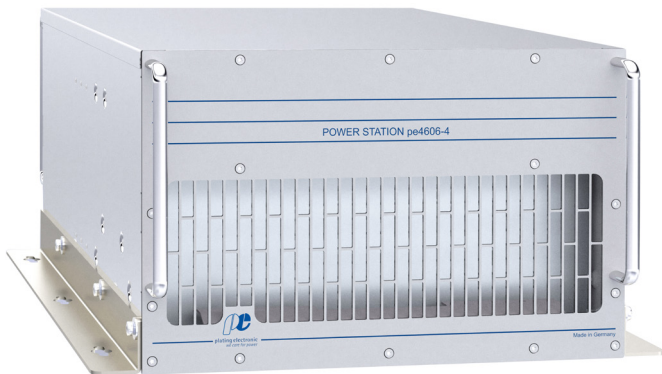


**Output power:** max. 48000 Watt  
**DC current:** max. 2200 A (at 20 V)  
**DC voltage:** max. 160 V (at 300 A)

**Typical applications:** Water treatment  
 Electroplating applications Anodizing  
 Testing systems Surface treatment

DC power supply with switch mode technology, designed for use in electroplating and/or for installation in a cabinet.



POWER STATION pe4606-4, front view



POWER STATION pe4606-4, connecting side

### Characteristic values

Switch mode technology, digital controlled (DSP)  
 Constant current or constant voltage regulation mode  
 Regulation range for current and voltage: 2 - 100 %  
 Linearity inaccuracy:  
 - for amperage < 1 %  
 - for voltage < 0.5 %  
 Ripple less than < 1 % (in relation to the frequency range of 0 - 300 Hz)  
 Efficiency typical: up to 95 % at nominal output power  
 Power factor  $\cos \varphi$ : 0.95  
 Duty cycle: 100 %  
 Soft start function  
 Short-circuit-proof  
 Installation altitude: max. 1000 m above sea level  
 Mains supply: standard 380 V - 460 V / 3; +/- 10 %; 50-60 Hz  
 plug-in system (other voltage on request)

### Cooling

Air cooled  
 Sealed cooling air channel; the electronic components are not in direct contact to the air stream  
 Air consumption: max. 1200 m<sup>3</sup>/h (power-controlled)  
 Cooling air inlet on connecting side (fan side) (turned air flow on request)  
 Admissible environmental temperatures: 5 - 40 °C (others on request)  
 Over-temperature protected  
 Relative air humidity: max. 85 %, non-condensing

### Display

Status-LED, blink codes

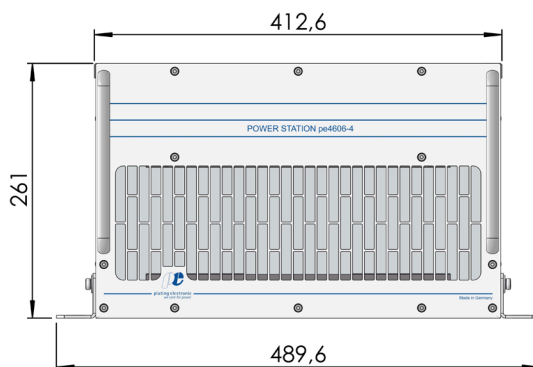
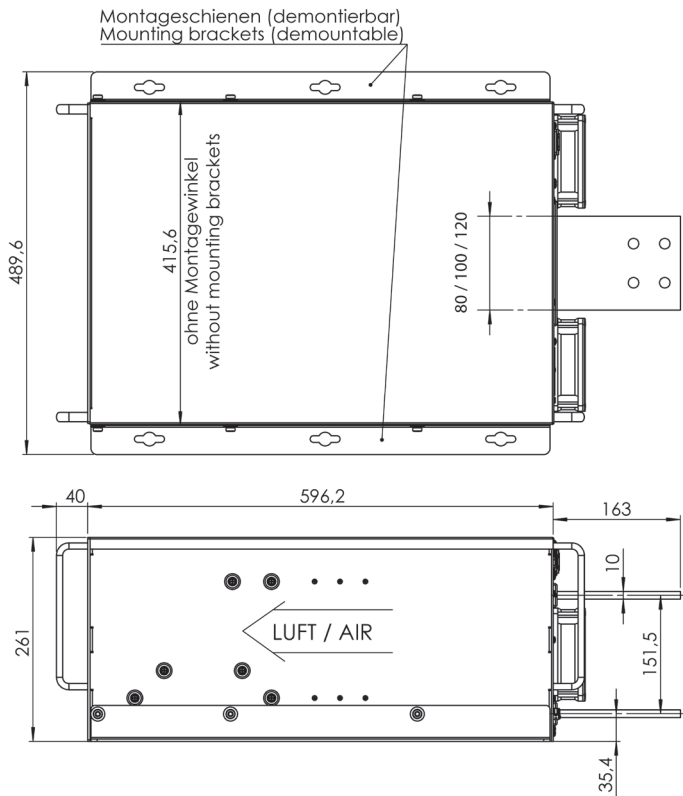
### Standards

CE-conform  
 Low voltage guideline 2014/35/EU  
 RoHS-conform

Available standard sizes (others on request)

Value	DC - output								
	2200 A	2000 A	1600 A	1200 A	1000 A	800 A	600 A	400 A	300 A
DC output current	2200 A	2000 A	1600 A	1200 A	1000 A	800 A	600 A	400 A	300 A
DC output voltage	20 V	24 V	30 V	40 V	48 V	60 V	80 V	120 V	160 V

### Standard dimensions



Front panel aluminium anodized,  
cooling air outlet

### Interface

#### peRB-interface

The used data telegram is pre-defined by plating electronic and can only be used in combination with:

- external control unit
- Bus adapter units for common external bus control systems
- Converter peRB-to-analog signals

### Design

Stainless steel casing uncoated (powder-coating on request)

Protecting grade: IP20

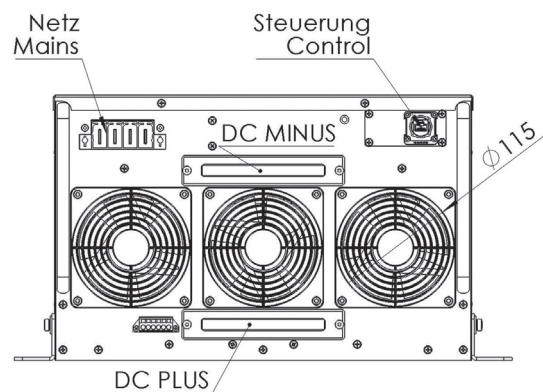
Weight: approx. 80 kg

Dimensions: see drawings

### DC connector

Tin-coated copper bars

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



Connecting side stainless steel, fan grids of PVC  
cooling air inlet

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

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