

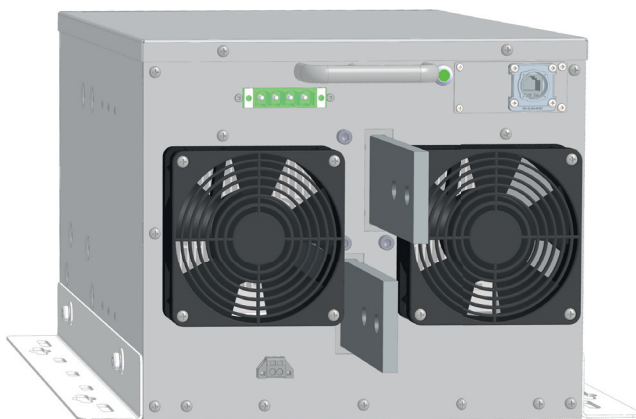
Output power: max. 24000 Watt
DC current: max. 1200A (at 20V)
DC voltage: max. 600V (at 40A)

Possible applications: Surface treatment
 Electroplating Anodizing
 Testing systems Water treatment

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



POWER STATION pe4606-3, front view



POWER STATION pe4606-3, back view

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. 500 m³/h (power-controlled)
 Cooling air inlet on connecting side (fan side) (turned air flow on request)
 Admissible environmental temperatures: 5 - 35 °C (others on request)
 Over-temperature protected
 Relative air humidity: max. 85 %, non-condensing

Display

Status-LED, Blink-Codes

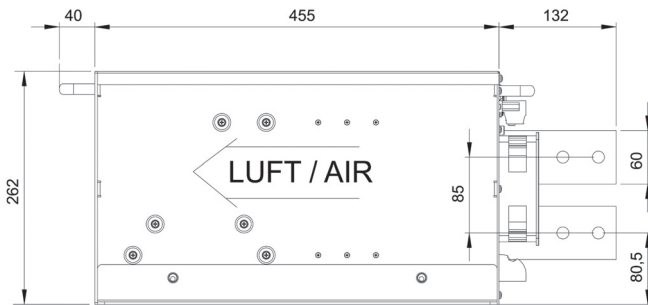
Standards

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

Available standard sizes (others on request)

Values	Standard sizes – DC output									
DC current	1200 A				600 A		400 A	300 A	40 A	
DC voltage	6 V	10 V	12 V	15 V	20 V	40 V	60 V	80 V	600 V	

Standard dimensions



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

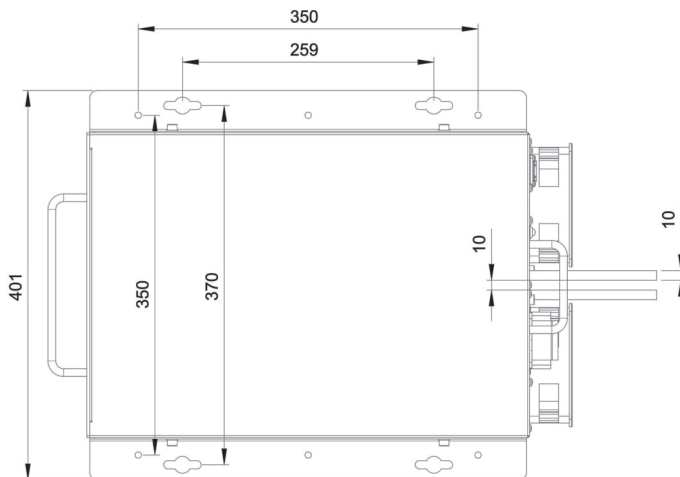
Design

Stainless steel casing uncoated (powder-coating on request)

Protecting grade: IP20

Weight: approx. 45 kg

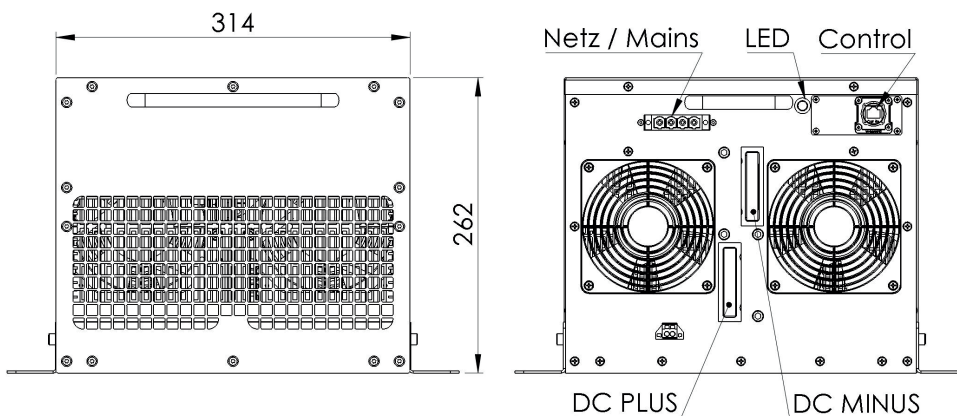
Dimensions: see drawings



DC connector

Tin-coated copper bars

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



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