DC POWER SUPPLY

POWER STATION pe4606-3

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

Possible applications:
- Electroplating
- Testing systems

Surface treatment
- Anodizing
- Water treatment

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

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 φ: 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)

<table>
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<tr>
<th>Values</th>
<th>Standard sizes – DC output</th>
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</thead>
<tbody>
<tr>
<td>DC current</td>
<td>1200 A</td>
</tr>
<tr>
<td>DC voltage</td>
<td>6 V</td>
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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-analogue 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.