DC POWER SUPPLY

POWER STATION pe4606

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

Possible applications:
- Electroplating
- Testing systems
- Surface treatment
- Anodizing
- Water treatment

Values Standard sizes - DC output

<table>
<thead>
<tr>
<th>Values</th>
<th>Standard sizes - DC output</th>
</tr>
</thead>
<tbody>
<tr>
<td>DC current</td>
<td>300 A</td>
</tr>
<tr>
<td>DC voltage</td>
<td>6 V</td>
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</tbody>
</table>

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 < 0.5 %
- 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 (others on request)
Mains supply:
- 380 V - 460 V / 3; +/- 10 %; 50-60 Hz plug-in system
- 230 V AC / 1; +/-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. 100 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)
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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-analog signals

Design
Stainless steel casing uncoated (powder-coating on request)
Protecting grade: IP20
Weight: approx. 13 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