High Voltage Modules
Serie EPS

OVERVIEW

- EPS series in 3U cassette or compact box with high voltages up to 30 kV at 60 W output power
- Usable for desk top HV power supplies (THQ series, see page 12)
- Integrable in multichannel HV systems (MMC, see page 13)
- Polarity positive (+) or negative (-) (factory fixed, please specify)
- Extraordinary stable output voltage regulation
- Capacity charger (option CLD) with high repetition accuracy at high charging frequencies
- Patented resonance mode principle, low EMI,
- Low ripple and noise
- HV output compact box with HV cable
- HV output 3U cassette with SHV resp. or Lemo HV connector
- Supply compact box with D-Sub male and screw terminal
- Supply 3U cassette with H15 connector
- Modified versions on request

TECHNICAL DATAS

<table>
<thead>
<tr>
<th>Output Voltage $V_o$ [kV]</th>
<th>$I_o$ [mA]</th>
<th>Stability $\Delta V_o / \Delta V_{\text{last}}$</th>
<th>Ripple and noise max. $5 \times 10^4 \times V_{\text{max}}$ optional to 6 kV: $&lt; 1 \times 10^4 \times V_{\text{max}}$</th>
<th>Repeat accuracy (with option CLD) $&lt; 1% \times V_o$ better values on request</th>
<th>Temp. coeff. $&lt; 1% \times 10^{-4}$ /K</th>
<th>Remote control Control and monitor voltage for $V_o$ und $I_o$: 0 bis 5 V / optional 10 instead 5: 0 to 10 V</th>
<th>Polarity $^{1}x = p$: positive; $^{2}x = n$: negative (factory fixed)</th>
<th>Protection over load and short circuit INHIBIT signal, current and voltage limit</th>
<th>Case Metal box 3HU cassette</th>
<th>Dimension (L/W/H) (185 / 108 / 57) mm 12 TE / 60.48 mm</th>
<th>Supply voltage $V_{in}$ $V_{in} = 24$ V-DC ± 5%</th>
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</thead>
<tbody>
<tr>
<td>EPX$^{2}$ 05</td>
<td>127</td>
<td>24</td>
<td>5</td>
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<td>50/105/24.5</td>
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<tr>
<td>EPX$^{2}$ 10</td>
<td>606</td>
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<td>100/200/24.5</td>
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<td>150/300/24.5</td>
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<td>200/400/24.5</td>
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<td>250/500/24.5</td>
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