Buffer power supply units

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Buffer power supply units 13,8VDC / 27,6VDC / 48VDC / 54VDC
HPSB series

- power supply: 176÷264VAC
- impulse voltage stabilizer
- deep discharge battery protection (UVP)
- protections:
  - SCP short circuit protection,
  - OLP overload protection,
  - OVP overvoltage protection *,
  - surge protection,
  - antisabotage protection,
  - OHP overheat protection *
- warranty: 2 years from production date

* depending on model

<table>
<thead>
<tr>
<th>Code</th>
<th>Output voltage</th>
<th>Total current</th>
<th>Battery charging current</th>
<th>Fitting battery</th>
<th>Dimensions W×H×D [+- 2mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPSB1512B</td>
<td>13,8VDC</td>
<td>1,5A</td>
<td>0,5A</td>
<td>7Ah</td>
<td>200×230×82+8</td>
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<tr>
<td>HPSB2512B</td>
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<td>7Ah</td>
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<tr>
<td>HPSB7012C</td>
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<td>1,0A / 2,0A</td>
<td>17Ah</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HPSB11A12C</td>
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<td>1,0A / 4,0A</td>
<td>17Ah</td>
<td></td>
<td></td>
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<td>HPSB11A12D</td>
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<td>1,0A / 4,0A</td>
<td>40Ah</td>
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<td>HPSB11A12E</td>
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<td>1,0A / 4,0A</td>
<td>65Ah</td>
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<td>HPSB20A12E</td>
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<td>65Ah</td>
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<td></td>
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<td>8,0A</td>
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<tr>
<td>HPSB1824B</td>
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<tr>
<td>HPSB3524B</td>
<td>3,5A</td>
<td>0,5A / 1,0A</td>
<td>2×7Ah</td>
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<td></td>
</tr>
<tr>
<td>HPSB3524C</td>
<td>3,5A</td>
<td>0,5A / 1,0A</td>
<td>2×17Ah</td>
<td></td>
<td></td>
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<tr>
<td>HPSB5524C</td>
<td>5,5A</td>
<td>0,5A / 2,0A</td>
<td>2×17Ah</td>
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<td></td>
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<tr>
<td>HPSB10A24C</td>
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<td>1,0A / 2,0A /</td>
<td>2×40Ah</td>
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<td></td>
<td>4,0A</td>
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</tr>
<tr>
<td>HPSB10A24D</td>
<td>10,0A</td>
<td>1,0A / 2,0A /</td>
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<td></td>
<td>4,0A</td>
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<td>HPSB2548C</td>
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<td>0,5A</td>
<td>2×17Ah</td>
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</tr>
<tr>
<td>HPSB2548B</td>
<td>2,5A</td>
<td>0,5A / 1,0A</td>
<td>4×7Ah</td>
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<tr>
<td>HPSB5048C</td>
<td>5,0A</td>
<td>0,5A / 1,0A /</td>
<td>4×17Ah</td>
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<tr>
<td></td>
<td></td>
<td>2,0A</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Accessories:

MPSB12/24/48 automation module
Multi-output buffer power supply units 13,8VDC
PSDCB series

- power supply: 176÷264VAC
- available models: 13,8VDC / 5 × 1,0A
  13,8VDC / 9 × 1,0A
- battery charging current: 1A / 2A / 4A *
- number of outputs × fuse: 5×1,0A / 9×1,0A
- fuse type: glass fuse
- fitting battery: 17Ah
- deep discharge battery protection (UVP)
- protections:
  - SCP short circuit protection,
  - OLP overload protection,
  - OVP overvoltage protection,
  - surge protection,
  - OHP overheat protection,
  - antisabotage protection
- notes:
  - surface mounted enclosure, locking – bolted (lock assembly possible)
- warranty: 2 years from production date

* depending on model

<table>
<thead>
<tr>
<th>Code</th>
<th>Output voltage</th>
<th>Total current</th>
<th>Number of outputs</th>
<th>Battery charging current</th>
<th>Fitting battery</th>
<th>Fuse type</th>
<th>Dimensions</th>
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<tbody>
<tr>
<td>PSDCB05125C</td>
<td>13,8VDC</td>
<td>7,0A</td>
<td>5×1,0A</td>
<td>1,0A / 2,0A</td>
<td>17Ah</td>
<td>1,0A – TOPIK</td>
<td>280×292×82+8</td>
</tr>
<tr>
<td>PSDCB09129C</td>
<td>11,0A</td>
<td>9×1,0A</td>
<td>1,0A / 4,0A</td>
<td>17Ah</td>
<td>1,0A – TOPIK</td>
<td></td>
<td>285×296</td>
</tr>
</tbody>
</table>

Buffer power supply units 13,8VDC / 27,6VDC
switch mode, with technical outputs
HPSBOC series

- power supply: 176÷264VAC
- impulse voltage stabilizer
- technical outputs OC and relay type:
  - EPS - 230V power failure AC
  - PSU - power supply failure
  - LoB - low battery voltage
- deep discharge battery protection (UVP)
- protections:
  - SCP short circuit protection
  - OLP overload protection
  - OVP overvoltage protection **
  - surge protection
  - antisabotage protection
  - OHP overheat protection **
- warranty: 2 years from production date
* power supply unit does not feature battery detection function
* depending on model

<table>
<thead>
<tr>
<th>Code</th>
<th>Output voltage</th>
<th>Total current</th>
<th>Battery charging current</th>
<th>Fitting battery</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPSBOC2512B</td>
<td>13,8VDC</td>
<td>2,5A</td>
<td>0,5A</td>
<td>7Ah</td>
<td>250×250×82+8 255×255</td>
</tr>
<tr>
<td>HPSBOC3512C</td>
<td></td>
<td>3,5A</td>
<td>0,5A</td>
<td>17Ah</td>
<td>280×292×82+8 285×296</td>
</tr>
<tr>
<td>HPSBOC7012C</td>
<td></td>
<td>7,0A</td>
<td>1,0A / 2,0A</td>
<td>17Ah</td>
<td></td>
</tr>
<tr>
<td>HPSBOC11A12C</td>
<td></td>
<td>11,0A</td>
<td>1,0A / 4,0A</td>
<td>17Ah</td>
<td></td>
</tr>
<tr>
<td>HPSBOC3524C</td>
<td>27,6VDC</td>
<td>3,5A</td>
<td>0,5A / 1,0A</td>
<td>2×17Ah</td>
<td>400×350×92+8 405×355</td>
</tr>
<tr>
<td>HPSBOC5524C</td>
<td></td>
<td>5,5A</td>
<td>0,5A / 2,0A</td>
<td>2×17Ah</td>
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</tr>
<tr>
<td>HPSBOC10A24C</td>
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<td>10,0A</td>
<td>1,0A / 2,0A / 4,0A</td>
<td>2×17Ah</td>
<td></td>
</tr>
</tbody>
</table>
Buffer power supply units 13,8VDC switch mode, with technical outputs PSBS series

- power supply: 230VAC
- impulse voltage stabilizer
- technical outputs OC type:
  - EPS – 230V power failure AC
  - PSU – power supply failure
  - LoB – low battery voltage
- deep discharge battery protection (UVP)
- protections:
  - SCP short circuit protection, OLP overload protection,
  - OHP overheat protection, surge protection,
  - antisabotage protection, OVP overvoltage protection *
- warranty: 5 years from production date

* depending on model

<table>
<thead>
<tr>
<th>Code</th>
<th>Output voltage</th>
<th>Total current</th>
<th>Battery charging current</th>
<th>Fitting battery</th>
<th>Dimensions W×H×D+D₀ [+/- 2mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSBS2012B</td>
<td>13,8VDC</td>
<td>2,2A</td>
<td>0,2A / 0,5A</td>
<td>7Ah</td>
<td>230×230×82+8 / 235×235</td>
</tr>
<tr>
<td>PSBS3012C</td>
<td></td>
<td>3,5A</td>
<td>0,5A / 1,0A</td>
<td>17Ah</td>
<td>260×300×92+8 / 265×305</td>
</tr>
<tr>
<td>PSBS5012C</td>
<td></td>
<td>5,5A</td>
<td>0,5A / 1,0A / 2,0A / 3,0A</td>
<td>17Ah</td>
<td>330×350×102+8 / 335×355</td>
</tr>
<tr>
<td>PSBS5012D</td>
<td></td>
<td>5,5A</td>
<td>0,5A / 1,0A / 2,0A / 3,0A</td>
<td>40Ah</td>
<td>330×350×172+8 / 335×355</td>
</tr>
</tbody>
</table>

Buffer power supply units 13,8VDC switch mode, with technical outputs in hermetic enclosure IP65 PSBSH series

- power supply: 230VAC
- impulse voltage stabilizer
- IP65 hermetic enclosure, ABS
- technical outputs OC type:
  - EPS – 230V power failure AC
  - PSU – power supply failure
  - LoB – low battery voltage
- deep discharge battery protection (UVP)
- protections:
  - SCP short circuit protection, OLP overload protection,
  - OHP overheat protection, surge protection,
  - antisabotage protection
- warranty: 2 years from production date

* depending on model

<table>
<thead>
<tr>
<th>Code</th>
<th>Output voltage</th>
<th>Total current</th>
<th>Battery charging current</th>
<th>Fitting battery</th>
<th>Number of cable glands / Ø cables</th>
<th>Mounting dimensions W×H×D [+/- 2mm]</th>
<th>Dimensions W × H × D [mm] H₀ [+/- 2mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSBSH2012B</td>
<td>13,8VDC</td>
<td>2,0A</td>
<td>0,2A / 0,5A</td>
<td>7Ah</td>
<td>2 pcs / 4+8mm</td>
<td>152×252</td>
<td>184×264×95</td>
</tr>
</tbody>
</table>
Buffer power supply units 13,8VDC
linear
AWZ series

- power supply: 230VAC
- linear voltage regulator
- deep discharge battery protection (UVP)
- protections:
  - SCP short circuit protection,
  - OLP overload protection,
  - OHP overheat protection,
  - surge protection,
  - antisabotage protection
- warranty: 5 years from production date

<table>
<thead>
<tr>
<th>Code</th>
<th>Output voltage</th>
<th>Total current</th>
<th>Battery charging current</th>
<th>Fitting battery</th>
<th>Dimensions W×H×D+D1 [+/- 2mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>AWZ100</td>
<td>13,8VDC</td>
<td>1,0A</td>
<td>0,1A</td>
<td>1,2Ah</td>
<td>170×180×82+8 175×185</td>
</tr>
<tr>
<td>AWZ101</td>
<td>13,8VDC</td>
<td>1,0A</td>
<td>0,1A</td>
<td>7Ah</td>
<td>200×230×82+8 205×235</td>
</tr>
<tr>
<td>AWZ200</td>
<td>2,0A</td>
<td>0,3A</td>
<td>7Ah</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AWZ300</td>
<td>3,0A</td>
<td>0,7A</td>
<td>17Ah</td>
<td></td>
<td>230×300×92+8 235×305</td>
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</tbody>
</table>

Buffer power supply units 13,8VDC / 27,6VDC
linear, compliant with EN50131-6, GRADE 1, 2 standard for alarm systems
AWZ plus series

- power supply: 230VAC
- linear voltage regulator
- in accordance with EN50131-6, GRADE 1+2 standard for alarm systems and II environmental class
- technical outputs OC type:
  - EPS – 230V power failure AC,
  - PSU – power supply failure,
  - APS – indicates battery failure
- deep discharge battery protection (UVP)
- protections:
  - SCP short circuit protection,
  - OLP overload protection,
  - OHP overheat protection,
  - surge protection,
  - antisabotage protection,
  - OVP overvoltage protection
- warranty: 5 years from production date

<table>
<thead>
<tr>
<th>Code</th>
<th>Output voltage</th>
<th>Total current</th>
<th>Battery charging current</th>
<th>Fitting battery</th>
<th>Dimensions W×H×D+D1 [+/- 2mm]</th>
</tr>
</thead>
<tbody>
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<td>AWZ230</td>
<td>13,8VDC</td>
<td>2,0A</td>
<td>0,4A / 0,9A</td>
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<td>AWZ222</td>
<td>27,6VDC</td>
<td>2,0A</td>
<td>0,4A / 0,9A</td>
<td>17Ah</td>
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<tr>
<td>AWZ333</td>
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<tr>
<td>AWZ224</td>
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<td>0,4A</td>
<td>2×7Ah</td>
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</table>
Buffer power supply units 13,8VDC / 27,6VDC
switch mode, in accordance with EN50131-6, GRADE 1, 2, 3 standard for alarm systems
PSBEN series

- power supply: 230VAC
- switch mode type
- microprocessor-based operating control
- in accordance with EN50131-6, GRADE 1, 2, 3 standard for alarm systems and II environmental class
- intelligent management of PSU power’s output stage
- battery circuit continuity control
- battery fuse status control
- collective failure input EXT IN
- technical outputs with galvanic isolation:
  - EPS – 230V power failure AC,
  - PSU – power supply failure,
  - APS – indicates battery failure
- deep discharge battery protection (UVP)
- protections:
  - SCP short circuit protection,
  - OLP overload protection,
  - OVP overvoltage protection,
  - OHP overheat protection,
  - surge protection,
  - antisabotage protection (tamper anti door opening and detachment from mounting surface)
- warranty: 5 years from production date

<table>
<thead>
<tr>
<th>Code</th>
<th>Output voltage</th>
<th>Total current</th>
<th>Battery charging current</th>
<th>Fitting battery</th>
<th>Dimensions W×H×D+Δ [+/− 2mm] W×H×D [+/− 2mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSBEN3012C</td>
<td>—</td>
<td>3,2A</td>
<td>0,2A / 0,6A / 1,0A / 1,5A</td>
<td>17Ah</td>
<td>300×300×92+8 305×305</td>
</tr>
<tr>
<td>PSBEN5012C</td>
<td>13,8VDC</td>
<td>5,6A</td>
<td>0,6A / 1,5A / 2,2A / 3,0A</td>
<td>17Ah</td>
<td>330×350×102+8 335×355</td>
</tr>
<tr>
<td>PSBEN5012D</td>
<td>PSBEN5012D/LCD</td>
<td>5,6A</td>
<td>0,6A / 1,5A / 2,2A / 3,0A</td>
<td>40Ah</td>
<td>330×350×173+8 335×355</td>
</tr>
<tr>
<td>PSBEN10A12E</td>
<td>PSBEN10A12E/LCD</td>
<td>10,6A</td>
<td>0,6A / 1,5A / 2,2A / 3,0A</td>
<td>65Ah</td>
<td>400×370×173+8 405×375</td>
</tr>
<tr>
<td>PSBEN5024C</td>
<td>PSBEN5024C/LCD</td>
<td>27,6VDC</td>
<td>5,6A / 1,5A / 2,2A / 3,0A</td>
<td>2×17Ah</td>
<td>400×350×92+8 405×355</td>
</tr>
</tbody>
</table>
Buffer power supply units 27.6VDC
switch mode, EN54-4 certified
EN54 series

- power supply: 230VAC
- switch mode type
- microprocessor-based operating control
- compliant with EN54-4 and EN12101-10 standards
- certificate of constancy of performance CNBOP-PIB No. 1438-CPR-0385
- certificate of approval CNBOP-PIB No. 2174/2014
- independently protected outputs AUX1 and AUX2
- intelligent PSU overload protection
- monitoring of continuity of battery circuit
- controlled relay output EXT0
- technical outputs with galvanic isolation:
  - EPS – 230V power failure AC,
  - PSU – power supply failure,
  - APS – indicates battery failure
- internal memory of PSU operating status
- deep discharge battery protection (UVP)
- protections:
  - SCP short circuit protection,
  - OLP overload protection,
  - OVP overvoltage protection,
  - OHP overheat protection,
  - surge protection,
  - antisabotage protection (tamper anti door opening)
- warranty: 5 years from production date

LED display

graphic LCD display

<table>
<thead>
<tr>
<th>Code</th>
<th>Output voltage</th>
<th>Total current</th>
<th>Fitting battery</th>
<th>Dimensions W×H×D+D, [±/- 2mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED panel</td>
<td>LCD panel</td>
<td>for continuous operation $i_{max} + i_{ltd}$</td>
<td>for intermittent operation $i_{max} + i_{ltd}$</td>
<td>W × H × D ± D, [±/- 2mm]</td>
</tr>
<tr>
<td>EN54-2A17</td>
<td>—</td>
<td>1.0A + 1.0A</td>
<td>2.0A + 0A</td>
<td>2×17Ah</td>
</tr>
<tr>
<td>EN54-3A17</td>
<td>EN54-3A17LCD</td>
<td>2.0A + 1.0A</td>
<td>3.0A + 0A</td>
<td>2×28Ah</td>
</tr>
<tr>
<td>EN54-3A28</td>
<td>—</td>
<td>1.5A + 1.5A</td>
<td>3.0A + 0A</td>
<td>2×17Ah</td>
</tr>
<tr>
<td>EN54-5A17</td>
<td>EN54-5A17LCD</td>
<td>4.0A + 1.0A</td>
<td>5.0A + 0A</td>
<td>2×28Ah</td>
</tr>
<tr>
<td>EN54-5A28</td>
<td>—</td>
<td>3.5A + 1.5A</td>
<td>5.0A + 0A</td>
<td>2×28Ah</td>
</tr>
<tr>
<td>EN54-5A40</td>
<td>—</td>
<td>3.0A + 2.0A</td>
<td>5.0A + 0A</td>
<td>2×40Ah</td>
</tr>
<tr>
<td>EN54-7A17</td>
<td>EN54-7A17LCD</td>
<td>6.0A + 1.0A</td>
<td>7.0A + 0A</td>
<td>2×17Ah</td>
</tr>
<tr>
<td>EN54-7A28</td>
<td>—</td>
<td>5.5A + 1.5A</td>
<td>7.0A + 0A</td>
<td>2×28Ah</td>
</tr>
<tr>
<td>EN54-7A40</td>
<td>EN54-7A40LCD</td>
<td>5.0A + 2.0A</td>
<td>7.0A + 0A</td>
<td>2×40Ah</td>
</tr>
</tbody>
</table>
Buffer power supply units 27,6VDC
switch mode, EN54-4 certified
EN54C series

- available versions with 2A / 3A / 5A / 10A current efficiencies
- available versions with a battery compartment for 7Ah - 65Ah battery
- communication: LAN, RS485 - appropriate modules required
  - only the version with LCD graphic display
- cooperation with EN54C-LB4 and EN54C-LB8 fuse modules (optional equipment)
- cooperation with EN54C-LS4 and EN54C-LS8 sequential modules (optional)
- power supply: 230V
- impulse voltage stabilizer
- microprocessor-based operating control
- compliant with EN54-4 and EN12101-10 standards
- certificate of constancy of performance CNBOP-PIB No. 1438-CPR-0628
- certificate of approval CNBOP-PIB No. 3501/2019
- independently protected outputs AUX1 and AUX2
- monitoring of continuity of battery circuit
- relay output of collective failure ALARM
- input of external failure indication EXTi
- EPS relay output of 230VAC power failure indication
- the LoB low battery voltage indication
- deep discharge battery protection (UVP)
- protections:
  - SCP short circuit protection
  - OLP overload protection
  - OVP overvoltage protection
  - surge protection
  - antisabotage protection (tamper anti door opening)
- warranty: 3 year from the production date
  * available soon

<table>
<thead>
<tr>
<th>Code</th>
<th>Output voltage</th>
<th>Total current</th>
<th>Fitting battery</th>
<th>Dimensions W×H×D [±/- 2mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>for continuous operation</td>
<td>for intermittent operation</td>
<td>W×H×D [±/- 2mm]</td>
</tr>
<tr>
<td>EN54C-2A7</td>
<td>2A</td>
<td>1.6A + 0.4A</td>
<td>2A + 0A</td>
<td>2×7Ah</td>
</tr>
<tr>
<td>EN54C-2A17</td>
<td>2A</td>
<td>1.2A + 0.8A</td>
<td>2A + 0A</td>
<td>2×17Ah</td>
</tr>
<tr>
<td>EN54C-3A7</td>
<td>3A</td>
<td>2.6A + 0.4A</td>
<td>3A + 0A</td>
<td>2×7Ah</td>
</tr>
<tr>
<td>EN54C-3A17</td>
<td>3A</td>
<td>2.2A + 0.8A</td>
<td>3A + 0A</td>
<td>2×17Ah</td>
</tr>
<tr>
<td>EN54C-3A28</td>
<td>3.6A</td>
<td>1.8A + 1.2A</td>
<td>5A + 0A</td>
<td>2×17Ah</td>
</tr>
<tr>
<td>EN54C-5A7</td>
<td>5A</td>
<td>4.6A + 0.4A</td>
<td>5A + 0A</td>
<td>2×7Ah</td>
</tr>
<tr>
<td>EN54C-5A17</td>
<td>5A</td>
<td>4.2A + 0.8A</td>
<td>5A + 0A</td>
<td>2×17Ah</td>
</tr>
<tr>
<td>EN54C-5A28</td>
<td>5A</td>
<td>3.8A + 1.2A</td>
<td>5A + 0A</td>
<td>2×28Ah</td>
</tr>
<tr>
<td>EN54C-5A40</td>
<td>5A</td>
<td>3.2A + 1.8A</td>
<td>5A + 0A</td>
<td>2×40Ah</td>
</tr>
<tr>
<td>EN54C-5A65</td>
<td>5A</td>
<td>2.4A + 2.6A</td>
<td>5A + 0A</td>
<td>2×65Ah</td>
</tr>
<tr>
<td>EN54C-10A17</td>
<td>10A</td>
<td>2.4A + 0.8A</td>
<td>10A + 0A</td>
<td>2×17Ah</td>
</tr>
<tr>
<td>EN54C-10A28</td>
<td>8A</td>
<td>8.8A + 1.2A</td>
<td>10A + 0A</td>
<td>2×28Ah</td>
</tr>
<tr>
<td>EN54C-10A40</td>
<td>8A</td>
<td>8.2A + 1.8A</td>
<td>10A + 0A</td>
<td>2×40Ah</td>
</tr>
<tr>
<td>EN54C-10A65</td>
<td>8A</td>
<td>7.4A + 2.6A</td>
<td>10A + 0A</td>
<td>2×65Ah</td>
</tr>
</tbody>
</table>
RED POWER plus

• built-in power supply module
• available versions with 2A / 3A / 5A / 10A current efficiencies
• powered by 7Ah – 65Ah batteries
• cooperation with EN54-LB4 and EN54-LB8 fuse modules (optional equipment)
• cooperation with EN54C-LS4 and EN54C-LS8 sequential modules (optional)
• DIN rail mounting using additional EN54M-DIN1 bracket (option)
• optical indication – additional EN54M-LED panel (optional)
• power supply: 230V
• impulse voltage stabilizer
• microprocessor-based operating control
• compliant with EN54-4 and EN12101-10 standards
• certificate of constancy of performance CNBOP-PIB No. 1438-CPR-0630
• independently protected outputs AUX1 and AUX2
• monitoring of continuity of battery circuit
• relay output of collective failure ALARM
• input of external failure indication EXTi
• EPS relay output of 230VAC power failure indication
• the LoB low battery voltage indication
• deep discharge battery protection (UVP)
• protections:
  ◦ SCP short circuit protection
  ◦ OLP overload protection
  ◦ OVP overvoltage protection
  ◦ surge protection
• warranty: 3 year from the production date

Buffer power supply modules 27,6VDC switch mode, EN54-4 certified
EN54M series

<table>
<thead>
<tr>
<th>Code</th>
<th>Output voltage</th>
<th>Total current for continuous operation</th>
<th>Total current for intermittent operation</th>
<th>Battery</th>
<th>Dimensions L×W×H [+/- 2mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>EN54M-2A7</td>
<td>27,6VDC</td>
<td>1,6A + 0,4A</td>
<td>2A + 0A</td>
<td>2×7,2Ah</td>
<td>200×120×48</td>
</tr>
<tr>
<td>EN54M-2A7-17</td>
<td></td>
<td>1,2A + 0,8A</td>
<td>2A + 0A</td>
<td>2×7+20Ah</td>
<td>204×141×52</td>
</tr>
<tr>
<td>EN54M-3A7-17</td>
<td></td>
<td>2,2A + 0,8A</td>
<td>3A + 0A</td>
<td>2×7+20Ah</td>
<td>237×168×55</td>
</tr>
<tr>
<td>EN54M-3A17-40</td>
<td></td>
<td>1,2A + 1,8A</td>
<td>3A + 0A</td>
<td>2×17+45Ah</td>
<td></td>
</tr>
<tr>
<td>EN54M-5A7-17</td>
<td></td>
<td>4,2A + 0,8A</td>
<td>5A + 0A</td>
<td>2×7+20Ah</td>
<td></td>
</tr>
<tr>
<td>EN54M-5A17-40</td>
<td></td>
<td>3,2A + 1,8A</td>
<td>5A + 0A</td>
<td>2×17+45Ah</td>
<td></td>
</tr>
<tr>
<td>EN54M-5A40-65</td>
<td></td>
<td>2,4A + 2,6A</td>
<td>5A + 0A</td>
<td>2×40+65Ah</td>
<td></td>
</tr>
<tr>
<td>EN54M-10A17-40</td>
<td></td>
<td>8,2A + 1,8A</td>
<td>10A + 0A</td>
<td>2×17+45Ah</td>
<td></td>
</tr>
<tr>
<td>EN54M-10A40-65</td>
<td></td>
<td>7,4A + 2,6A</td>
<td>10A + 0A</td>
<td>2×40+65Ah</td>
<td></td>
</tr>
</tbody>
</table>

Certificate of constancy of performance CNBOP-PIB No. 1438-CPR-0630
Accessories for power supply units EN54C and EN54M series interfaces, fuse modules, sequential modules

**INTE-C** – Interface ETHERNET EN54C-LCD

**INTR-C** – Interface RS485-TTL EN54C-LCD

**INTRE-C** – Interface RS485-ETHERNET

**INTR** – Interface RS485-TTL

**INTE** – Interface ETHERNET

**EN54M-DIN1** – Bracket DIN/EN54M 1

**EN54M-LED** – A set for optical indication

**EN54C-LB4/8** – Fuse modules EN54C

**EN54C-LS4/8** – Sequential modules

**EN54-LB4/8** – Fuse modules EN54

„PowerSecurity“ software for power supply units of PSBEN, EN54, EN54C-LCD series

**PowerSecurity**

Free program „PowerSecurity“

„PowerSecurity“ – also available for Android (PSBEN and EN54 series)

For power supply units with LED display

**PSBEN series**
BLACK POWER

**EN54 series**
RED POWER

**EN54C-LCD series**
RED POWER plus
Buffer power supply units 13,8VDC / 12VDC for HD cameras and DVR
PSUPS series

- power supply: 176÷264VAC
- available models: 13,8VDC / 8×0,75A + 12VDC / 1×4,0A
  13,8VDC / 16×0,8A + 12VDC / 1×5,0A
- battery charging current: 1A / 2A / 4A / 8A *
- number of outputs x fuse:
  - cameras: 8×1,0A / 16×1,0A *
  - recorder: 1×5A
- fuse type: glass fuse
- fitting battery: 17Ah / 65Ah *
- deep discharge battery protection – UVP
- protections:
  - SCP short circuit protection, OLP overload protection
  - OVP overvoltage protection, surge protection
  - OHP overheat protection, antisabotage protection
- notes:
  - surface mounted enclosure, locking – bolted
  - built-in power factor correction system (PFC)
  - forced cooling – built-in fan *
- warranty: 2 years from production date
* depending on model

<table>
<thead>
<tr>
<th>Code</th>
<th>Circuit</th>
<th>Output voltage</th>
<th>Total current</th>
<th>Number of outputs</th>
<th>Battery charging current</th>
<th>Fuse type</th>
<th>Fitting battery</th>
<th>Dimensions W×H×D+D, [+- 2mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSUPS10A12C</td>
<td>cameras</td>
<td>13,8VDC</td>
<td>11A</td>
<td>8×0,75A</td>
<td>1A</td>
<td>1,0A – glass fuse</td>
<td>17Ah</td>
<td>400×350×92+8 / 405×355</td>
</tr>
<tr>
<td></td>
<td>recorder</td>
<td>12VDC</td>
<td></td>
<td>1×4,0A</td>
<td></td>
<td>5,0A – glass fuse</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSUPS20A12E</td>
<td>cameras</td>
<td>13,8VDC</td>
<td>20A</td>
<td>16×0,8A</td>
<td>2A / 4A / 8A</td>
<td>1,0A – glass fuse</td>
<td>65Ah</td>
<td>420×375×183+14 / 425×378</td>
</tr>
<tr>
<td></td>
<td>recorder</td>
<td>12VDC</td>
<td></td>
<td>1×5,0A</td>
<td></td>
<td>5,0A – glass fuse</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Buffer power supply units 13,8VDC / 12VDC for HD cameras and DVR
with recorder space
PSUPS...CR series

The enclosure construction is compliant with the requirements of the General Data Protection Regulation GDPR (the possibility of installing two locks with different codes).

- power supply: 176÷264VAC
- available models: 13,8VDC / 8×0,75A + 12VDC / 1×4,0A
  13,8VDC / 16×0,8A + 12VDC / 1×5,0A
- battery charging current: 1A / 2A / 4A / 8A *
- number of outputs x fuse:
  - cameras: 8×1,0A / 16×1,0A *
  - recorder: 1×5A
- fuse type: glass fuse
- fitting battery: 17Ah / 2×17Ah * – parallel connection
- deep discharge battery protection – UVP
- protections:
  - SCP short circuit protection, OLP overload protection,
  - OVP overvoltage protection, surge protection,
  - OHP overheat protection *, antisabotage protection
- notes:
  - enclosure is fitted with a recorder space
  - surface mounted enclosure, locking – bolted
  - built-in power factor correction system (PFC) *
  - forced cooling – built-in fan *
- warranty: 2 years from production date
* depending on model

<table>
<thead>
<tr>
<th>Code</th>
<th>Circuit</th>
<th>Output voltage</th>
<th>Total current</th>
<th>Number of outputs</th>
<th>Battery charging current</th>
<th>Fuse type</th>
<th>Fitting battery</th>
<th>Dimensions of recorder space W×H×D [+- 2mm]</th>
<th>Dimensions W×H×D+D, [+- 2mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSUPS10A12CR</td>
<td>cameras</td>
<td>13,8VDC</td>
<td>11A</td>
<td>8×0,75A</td>
<td>1A</td>
<td>1,0A – glass fuse</td>
<td>17Ah</td>
<td>380×320×65</td>
<td>420×353×193+14 / 425×354</td>
</tr>
<tr>
<td></td>
<td>recorder</td>
<td>12VDC</td>
<td></td>
<td>1×4,0A</td>
<td></td>
<td>5,0A – glass fuse</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSUPS20A12CR</td>
<td>cameras</td>
<td>13,8VDC</td>
<td>20A</td>
<td>16×0,8A</td>
<td>2A / 4A / 8A</td>
<td>1,0A – glass fuse</td>
<td>2×17Ah (parallel connection)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>recorder</td>
<td>12VDC</td>
<td></td>
<td>1×5,0A</td>
<td></td>
<td>5,0A – glass fuse</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Buffer power supply units 13.8VDC switch mode, power supply unit for Access Control Systems - DAHUA with technical outputs

AWZ637 series

- power supply: 200÷240VAC
- impulse voltage stabilizer
- Technical outputs OC and relay type:
  - EPS – AC power failure, LoB – low battery voltage, 
  - PSU – power supply failure
- Number of DIN rails / length / number of „S” fields: 1 / 185mm / 10
- deep discharge battery protection (UVP)
- protections:
  - SCP short circuit protection
  - OLP overload protection
  - OVP overvoltage protection
  - surge protection
  - antisabotage protection
- dedicated to mounting controllers:
  - Dahua controllers ASC2104B-T, ASC2102B-T (and similar)
- warranty: 2 years from production date

<table>
<thead>
<tr>
<th>Code</th>
<th>Output voltage</th>
<th>Total current</th>
<th>Battery charging current</th>
<th>Fitting battery</th>
<th>Dimensions W×H×D+D, [+/- 2mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSZKT5A</td>
<td>13.8VDC</td>
<td>5A</td>
<td>0.5A</td>
<td>7Ah</td>
<td>335×280×82+8</td>
</tr>
</tbody>
</table>
Multi-output buffer power supply units 13,8VDC / 27,6VDC / 54VDC with glass fuse / PTC
RUPS series

- power supply: 176÷264VAC
- available models: 13,8VDC / 8 × 1A, 27,6VDC / 8 × 1A, 54VDC / 8 × 0.5A *
- number of outputs × fuse: 8 × 0.5A, 8 × 1A *
- fuse type: glass fuse / PTC *
- battery charging current: 0.5A, 1A *
- battery: 1 × 7÷28Ah / 2 × 7÷28Ah / 4 × 7÷17Ah *
- deep discharge battery protection – UVP
- protections:
  - SCP short circuit protection, OLP overload protection,
  - OVP overvoltage protection, surge protection
- technical output of relay type:
  - ALARM – technical output of collective failure
- acoustic indication of failure – BUZZER
- notes:
  - standard RACK 19” – 2U enclosure
  - warranty: 2 years from production date
* depending on model

<table>
<thead>
<tr>
<th>Code</th>
<th>Fuse</th>
<th>Output voltage</th>
<th>Total current</th>
<th>Number of outputs</th>
<th>Battery charging current</th>
<th>Fuse type</th>
<th>Technical output</th>
<th>Mounting dimensions W × H × D [mm]</th>
<th>Dimensions W × H × D [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>RUPS812T</td>
<td>glass fuse</td>
<td>13.8VDC</td>
<td>9A</td>
<td>8 × 1A</td>
<td>1A (1 × 7÷28Ah)</td>
<td>1A – glass fuse</td>
<td>✓</td>
<td>19” × 2U</td>
<td>482 × 88 × 223</td>
</tr>
<tr>
<td>RUPS812P</td>
<td>PTC</td>
<td></td>
<td>9A</td>
<td>8 × 1A</td>
<td>1A (1 × 7÷28Ah)</td>
<td>1A – PTC</td>
<td>✓</td>
<td>19” × 2U</td>
<td>482 × 88 × 223</td>
</tr>
<tr>
<td>RUPS824T</td>
<td>glass fuse</td>
<td>27.6VDC</td>
<td>9A</td>
<td>8 × 1A</td>
<td>1A (2 × 7÷28Ah)</td>
<td>1A – glass fuse</td>
<td>✓</td>
<td>19” × 2U</td>
<td>482 × 88 × 223</td>
</tr>
<tr>
<td>RUPS824P</td>
<td>PTC</td>
<td></td>
<td>9A</td>
<td>8 × 1A</td>
<td>1A (2 × 7÷28Ah)</td>
<td>1A – PTC</td>
<td>✓</td>
<td>19” × 2U</td>
<td>482 × 88 × 223</td>
</tr>
<tr>
<td>RUPS848T</td>
<td>glass fuse</td>
<td>54VDC</td>
<td>4.5A</td>
<td>8 × 0.5A</td>
<td>0.5A (4 × 7÷17Ah)</td>
<td>0.5A – glass fuse</td>
<td>✓</td>
<td>19” × 2U</td>
<td>482 × 88 × 223</td>
</tr>
<tr>
<td>RUPS848P</td>
<td>PTC</td>
<td></td>
<td>4.5A</td>
<td>8 × 0.5A</td>
<td>0.5A (4 × 7÷17Ah)</td>
<td>0.5A – PTC</td>
<td>✓</td>
<td>19” × 2U</td>
<td>482 × 88 × 223</td>
</tr>
</tbody>
</table>

Single-output buffer power supply unit 12VDC with glass fuse
ROUPS...VR series

- power supply: 176÷264VAC
- available models: 12VDC / 1 × 5A – power supply of DVR
- number of outputs × fuse: 1 × 5A
- fuse type: glass fuse
- battery charging current: 1A
- battery: 1 × 7÷28Ah
- deep discharge battery protection – UVP
- protections:
  - SCP short circuit protection,
  - OLP overload protection,
  - OVP overvoltage protection, surge protection
- technical output of relay type:
  - ALARM – technical output of collective failure
- acoustic indication of failure – BUZZER
- notes:
  - standard RACK 19” – 2U enclosure
  - warranty: 2 years from production date

<table>
<thead>
<tr>
<th>Code</th>
<th>Fuse</th>
<th>Output voltage</th>
<th>Total current</th>
<th>Number of outputs</th>
<th>Battery charging current</th>
<th>Fuse type</th>
<th>Technical output</th>
<th>Mounting dimensions W × H × D [mm]</th>
<th>Dimensions W × H × D [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROUPS12VR</td>
<td>glass fuse</td>
<td>12VDC</td>
<td>6A</td>
<td>1 × 5A</td>
<td>1A (1 × 7÷28Ah)</td>
<td>5A – glass fuse</td>
<td>✓</td>
<td>19” × 2U</td>
<td>482 × 88 × 223</td>
</tr>
</tbody>
</table>
Buffer power supply units – 1-output 13,8VDC / 27,6VDC / 54VDC with glass fuse
ROUPS series

- power supply: 176÷264VAC
- available models: 13,8VDC / 1 × 18A, 27,6VDC / 1 × 9A, 54VDC / 1 × 4,5A
- number of outputs × fuse: 1 × 20A / 1 × 10A / 1 × 5A *
- fuse type: glass fuse
- battery charging current: 0.5A / 1A / 2A / 4A / 8A *
- battery: 1 × 17÷65Ah / 2 × 7÷28Ah / 4 × 7÷17Ah *
- deep discharge battery protection – UVP
- protections:
  ◦ SCP short circuit protection, OLP overload protection,
  ◦ OVP overvoltage protection, surge protection,
  ◦ OHP overheat protection
- technical output of relay type:
  ◦ ALARM – technical output of collective failure
- acoustic indication of failure – BUZZER
- notes:
  ◦ standard RACK 19″ – 2U enclosure
- warranty: 2 years from production date
* depending on model

<table>
<thead>
<tr>
<th>Code</th>
<th>Fuse</th>
<th>Output voltage U_IN</th>
<th>Total current</th>
<th>Number of outputs</th>
<th>Battery charging current</th>
<th>Fuse type</th>
<th>Technical output</th>
<th>Mounting dimensions W × H × D [mm]</th>
<th>Dimensions W × H × D [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROUPS12V</td>
<td>glass fuse</td>
<td>13,8VDC</td>
<td>20A</td>
<td>1 × 18A</td>
<td>2A / 4A / 8A (1 × 17÷65Ah)</td>
<td>20A – glass fuse</td>
<td>✓</td>
<td>19″ × 2U</td>
<td>482 × 88 × 223</td>
</tr>
<tr>
<td>ROUPS24V</td>
<td>glass fuse</td>
<td>27,6VDC</td>
<td>10A</td>
<td>1 × 9A</td>
<td>1A / 2A / 4A (2 × 7÷28Ah)</td>
<td>10A – glass fuse</td>
<td>✓</td>
<td>19″ × 2U</td>
<td>482 × 88 × 223</td>
</tr>
<tr>
<td>ROUPS48V</td>
<td>glass fuse</td>
<td>54VDC</td>
<td>5A</td>
<td>1 × 4,5A</td>
<td>0,5A / 1A / 2A (4 × 7÷17Ah)</td>
<td>5A – glass fuse</td>
<td>✓</td>
<td>19″ × 2U</td>
<td>482 × 88 × 223</td>
</tr>
</tbody>
</table>

**Fuses strip 8 / 16 outputs**
**dedicated for power supply units of ROLPS series**

- power supply: U_IN=10÷56VDC
- available models: U_OUT=U_IN / 8 × 2A (max.)
  U_OUT=U_IN / 16 × 1A (max.)
- number of outputs × fuse: 8 × 2A / 16 × 1A *
- fuse type: glass fuse
- protections:
  ◦ SCP short circuit protection,
  ◦ OLP overload protection
- technical output of relay type:
  ◦ ALARM – technical output of collective failure
- notes:
  ◦ standard RACK 19″ – 2U enclosure
- warranty: 2 years from production date
* depending on model

<table>
<thead>
<tr>
<th>Code</th>
<th>Fuse</th>
<th>Input voltage U_IN</th>
<th>Output voltage U_OUT</th>
<th>Number of outputs</th>
<th>Fuse type</th>
<th>Technical output</th>
<th>Mounting dimensions W × H × D [mm]</th>
<th>Dimensions W × H × D [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>RLB8</td>
<td>glass fuse</td>
<td>10÷56VDC</td>
<td>U_OUT=U_IN</td>
<td>8 × 2A (max.)</td>
<td>2A – glass fuse</td>
<td>✓</td>
<td>19″ × 2U</td>
<td>482 × 88 × 74</td>
</tr>
<tr>
<td>RLB16</td>
<td>glass fuse</td>
<td>10÷56VDC</td>
<td>U_OUT=U_IN</td>
<td>16 × 1A (max.)</td>
<td>1A – glass fuse</td>
<td>✓</td>
<td>19″ × 2U</td>
<td>482 × 88 × 74</td>
</tr>
</tbody>
</table>
Buffer power supply units, enclosed 13,8VDC / 27,6VDC / 54VDC switch mode
PSB series

• power supply: 176÷264VAC
• impulse voltage stabilizer
• deep discharge battery protection (UVP)
• protections:
  ◦ SCP short circuit protection
  ◦ OLP overload protection,
  ◦ OVP overvoltage protection,
  ◦ surge protection,
  ◦ OHP overheat protection *
• warranty: 2 years from production date
  * depending on model

<table>
<thead>
<tr>
<th>Code</th>
<th>Output voltage</th>
<th>Total current</th>
<th>Battery charging current</th>
<th>Dimensions L x W x H [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSB-251215</td>
<td>13,8VDC</td>
<td>1,5A</td>
<td>0,5A</td>
<td>110×78×36</td>
</tr>
<tr>
<td>PSB-351225</td>
<td>13,8VDC</td>
<td>2,5A</td>
<td>0,5A</td>
<td>129×98×40</td>
</tr>
<tr>
<td>PSB-501235</td>
<td>13,8VDC</td>
<td>3,5A</td>
<td>0,5A</td>
<td>159×97×42</td>
</tr>
<tr>
<td>PSB-751250</td>
<td>13,8VDC</td>
<td>5,0A</td>
<td>0,5A</td>
<td></td>
</tr>
<tr>
<td>PSB-1001270</td>
<td>27,6VDC</td>
<td>7,0A</td>
<td>1,0A / 2,0A</td>
<td>199×97×42</td>
</tr>
<tr>
<td>PSB-15512110</td>
<td></td>
<td>11,0A</td>
<td>1,0A / 4,0A</td>
<td>199×110×50</td>
</tr>
<tr>
<td>PSB-30012200</td>
<td></td>
<td>20,0A</td>
<td>2,0A / 4,0A / 8,0A</td>
<td>275×115×50</td>
</tr>
<tr>
<td>PSB-502418</td>
<td>27,6VDC</td>
<td>1,8A</td>
<td>0,3A</td>
<td>159×97×42</td>
</tr>
<tr>
<td>PSB-1002435</td>
<td>27,6VDC</td>
<td>3,5A</td>
<td>0,5A / 1,0A</td>
<td>199×97×42</td>
</tr>
<tr>
<td>PSB-1552455</td>
<td>27,6VDC</td>
<td>5,5A</td>
<td>0,5A / 2,0A</td>
<td>199×110×50</td>
</tr>
<tr>
<td>PSB-30024100</td>
<td></td>
<td>10,0A</td>
<td>1,0A / 4,0A / 4,0A</td>
<td>275×115×50</td>
</tr>
<tr>
<td>PSB-1554828</td>
<td>54VDC</td>
<td>2,8A</td>
<td>0,5A / 1,0A</td>
<td>199×110×50</td>
</tr>
<tr>
<td>PSB-3004850</td>
<td>54VDC</td>
<td>5,0A</td>
<td>0,5A / 1,0A / 2,0A</td>
<td>275×115×50</td>
</tr>
</tbody>
</table>

Buffer power supply units, enclosed 13,8VDC / 27,6VDC switch mode, with technical outputs
PSBOC series

• power supply: 176÷264VAC
• impulse voltage stabilizer
• technical outputs OC and relay type:
  ◦ EPS – 230V power failure AC
  ◦ PSU – power supply failure
  ◦ LoB – low battery voltage
• deep discharge battery protection (UVP)
• protections:
  ◦ SCP short circuit protection
  ◦ OLP overload protection,
  ◦ OVP overvoltage protection
  ◦ surge protection,
  ◦ OHP overheat protection *
• warranty: 2 years from production date
  * depending on model

<table>
<thead>
<tr>
<th>Code</th>
<th>Output voltage</th>
<th>Total current</th>
<th>Battery charging current</th>
<th>Technical outputs</th>
<th>Dimensions L x W x H [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSBOC351225</td>
<td>13,8VDC</td>
<td>2,5A</td>
<td>0,5A</td>
<td>✓</td>
<td>129×98×67</td>
</tr>
<tr>
<td>PSBOC501235</td>
<td>13,8VDC</td>
<td>3,5A</td>
<td>0,5A</td>
<td>✓</td>
<td>159×97×68</td>
</tr>
<tr>
<td>PSBOC751250</td>
<td>13,8VDC</td>
<td>5,0A</td>
<td>0,5A</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>PSBOC1001270</td>
<td></td>
<td>7,0A</td>
<td>1,0A / 2,0A</td>
<td>✓</td>
<td>199×97×70</td>
</tr>
<tr>
<td>PSBOC15512110</td>
<td></td>
<td>11,0A</td>
<td>1,0A / 4,0A</td>
<td>✓</td>
<td>199×110×78</td>
</tr>
<tr>
<td>PSBOC30012200</td>
<td></td>
<td>20,0A</td>
<td>2,0A / 4,0A / 8,0A</td>
<td>✓</td>
<td>275×115×78</td>
</tr>
<tr>
<td>PSBOC1552455</td>
<td>27,6VDC</td>
<td>5,5A</td>
<td>0,5A / 2,0A</td>
<td>✓</td>
<td>199×110×78</td>
</tr>
</tbody>
</table>

Accessories:
- PSBIN1 / 2
- Bracket DIN
- MPSB12 / 24 / 48 technical output module
- OC and relay type
Buffer power supplies mounting on DIN rail 13,8VDC / 27,6VDC

DINB series

- power supply: 90÷264VAC / 176÷264VAC *
- impulse voltage stabilizer
- deep discharge battery protection (UVP)
- protections:
  - SCP short circuit protection
  - OLP overload protection
  - surge protection
- warranty: 2 years from production date

* depending on model

<table>
<thead>
<tr>
<th>Code</th>
<th>Output voltage</th>
<th>Total current</th>
<th>Battery charging current</th>
<th>Dimensions L×W×H [+/- 2mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>DINB13830</td>
<td>13,8VDC</td>
<td>3,5A</td>
<td>0,5A</td>
<td>122×93×50</td>
</tr>
<tr>
<td>DINB13850</td>
<td>13,8VDC</td>
<td>5,5A</td>
<td></td>
<td>122×93×60</td>
</tr>
<tr>
<td>DINB27620</td>
<td>27,6VDC</td>
<td>2,2A</td>
<td>0,2A</td>
<td>122×93×50</td>
</tr>
<tr>
<td>DINB27630</td>
<td>27,6VDC</td>
<td>3,2A</td>
<td></td>
<td>122×93×60</td>
</tr>
</tbody>
</table>

Buffer power supply modules 13,8VDC
switch mode, with technical outputs
MS / MSRK series

- available models: MS series 13,8VDC / 2A
  MSRK series 13,8VDC / 2A; 3A
- impulse voltage stabilizer
- supply voltage: external transformer required 18÷22VAC
- battery charging and maintenance control
- battery output short circuit protection and reverse polarity connection
- protections:
  - SCP short circuit protection, OLP overload protection
  - OHP overheat protection, surge protection
- for MSRK series:
  - technical outputs OC type:
    EPS – 230V power failure AC, PSU – power supply failure,
    LoB – low battery voltage
  - deep discharge battery protection (UVP)
  - adjustable times indicating AC power failure
  - START facility for manual battery connection
- warranty: 5 years from production date

<table>
<thead>
<tr>
<th>Code</th>
<th>Output voltage</th>
<th>Total current</th>
<th>Battery charging current</th>
<th>Technical outputs</th>
<th>Deep discharge battery protection</th>
<th>Dimensions L×W×H [+/- 2mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>MS2012</td>
<td>13,8VDC</td>
<td>2,2A</td>
<td>0,2A / 0,5A</td>
<td>—</td>
<td>—</td>
<td>75×55×40</td>
</tr>
<tr>
<td>MSRK2012</td>
<td>13,8VDC</td>
<td>2,2A</td>
<td>0,2A / 0,5A</td>
<td>✓</td>
<td>✓</td>
<td>86×63×40</td>
</tr>
<tr>
<td>MSRK3012</td>
<td>13,8VDC</td>
<td>3,5A</td>
<td>0,5A / 1,0A</td>
<td>✓</td>
<td>✓</td>
<td>88×93×55</td>
</tr>
</tbody>
</table>
Desktop type power supplies, buffer 13,8VDC
IP67 hermetic enclosure, epoxy encapsulate
PSCLB series

- power supply: 90÷264VAC
- power supply is not fitted with 230VAC plug, cables are terminated with screw connectors
- IP67 hermetic enclosure – epoxy encapsulated
- cable length DC – 0,5 m
- DC output – JACK plug – DC 5,5/2,1 – female
- deep discharge battery protection (UVP)
- protections:
  - SCP short circuit protection
  - OLP overload protection
  - surge protection (AC input)
- warranty: 2 years from production date

<table>
<thead>
<tr>
<th>Code</th>
<th>Output voltage</th>
<th>Total current</th>
<th>Battery charging current</th>
<th>Dimensions L×W×H [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSCLB13810</td>
<td>13,8VDC</td>
<td>1,3A</td>
<td>0,3A</td>
<td>135×50×33</td>
</tr>
<tr>
<td>PSCLB13820</td>
<td></td>
<td>2,3A</td>
<td>0,3A</td>
<td>150×56×34</td>
</tr>
<tr>
<td>PSCLB13830</td>
<td></td>
<td>3,3A</td>
<td>0,3A</td>
<td>178×56×34</td>
</tr>
</tbody>
</table>

Sample product
PSCLB13830

Accessories for power supply units
Interfaces, fuse modules, sequential modules

- Voltage converters DCDC
- Voltage reducers - linear
- Fuse modules
- Protection modules
- Relay modules
- Relay modules - time
- Modules of technical outputs
- Bracket DIN
- Metal clamps with a mounting plate
- Battery controllers
- Enclosures for batteries
- Enclosures for power supply units PS... series