



Similar to the illustration,  
Aquadem® optional

## grid | power v h

Series OSP.XC/OGi bloc

Vented lead-acid battery

## grid | power v H Series OSP.XC

### Typical applications:

- Power Supply Systems
- Uninterruptible power supply (UPS)
- Substations

### Your benefits:

- Very good high-current capability – low investment costs due to innovative electrode structure
- Very high expected service life – due to optimized low-antimony selenium alloy
- Higher short-circuit safety even during the installation – based on HOPPECKE system connectors
- Extremely extended water refill intervals up to maintenance-free – optional use of AquaGen® recombination system minimizes emission of gas and aerosols<sup>1</sup>

## grid | power v H Series OGi bloc

### Typical applications:

- Railway applications
  - Railway control centers
  - Signal systems
  - Lighting
- Starter batteries for emergency power diesel generators
- Emergency lighting installations

### Your benefits:

- Good high-current capability – low investment costs due to innovative electrode structure
- High expected service life – due to double separation
- Maximum compatibility – design according to DIN 40739
- Higher short-circuit safety even during the installation – based on HOPPECKE system connectors
- Extremely extended water refill intervals up to maintenance free – optional use of AquaGen® recombination system minimizes emission of gas and aerosols<sup>1</sup>



<sup>1</sup> similar to sealed lead-acid batteries

## Capacities, dimensions and weights

| Series OSP.XC          | Type      | C <sub>10</sub> /1.80 V<br>Ah | C <sub>5</sub> /1.75 V<br>Ah | C <sub>3</sub> /1.70 V<br>Ah | C <sub>1</sub> /1.65 V<br>Ah | Weight<br>kg | Weight electrolyte<br>kg (1.27 kg/l) | max.* Length L<br>mm | max.* Width W<br>mm | max.* Height H<br>mm | Fig. |   |
|------------------------|-----------|-------------------------------|------------------------------|------------------------------|------------------------------|--------------|--------------------------------------|----------------------|---------------------|----------------------|------|---|
| grid   power vH 2-130  | 3 OSP.XC  | 120                           | 132                          | 109                          | 98                           | 76           | 15.6                                 | 5.4                  | 105                 | 208                  | 420  | A |
| grid   power vH 2-175  | 4 OSP.XC  | 160                           | 176                          | 145                          | 131                          | 102          | 16.9                                 | 5.1                  | 105                 | 208                  | 420  | A |
| grid   power vH 2-220  | 5 OSP.XC  | 200                           | 220                          | 181                          | 164                          | 127          | 18.4                                 | 4.9                  | 105                 | 208                  | 420  | A |
| grid   power vH 2-265  | 6 OSP.XC  | 240                           | 264                          | 218                          | 196                          | 152          | 22.0                                 | 6.2                  | 126                 | 208                  | 420  | A |
| grid   power vH 2-310  | 7 OSP.XC  | 280                           | 308                          | 254                          | 229                          | 178          | 23.3                                 | 6.0                  | 126                 | 208                  | 420  | A |
| grid   power vH 2-355  | 8 OSP.XC  | 320                           | 352                          | 290                          | 262                          | 203          | 26.7                                 | 7.2                  | 147                 | 208                  | 420  | A |
| grid   power vH 2-400  | 9 OSP.XC  | 360                           | 396                          | 326                          | 295                          | 229          | 33.5                                 | 11.6                 | 189                 | 208                  | 420  | A |
| grid   power vH 2-445  | 10 OSP.XC | 400                           | 440                          | 363                          | 327                          | 254          | 34.0                                 | 10.2                 | 189                 | 208                  | 420  | A |
| grid   power vH 2-490  | 11 OSP.XC | 440                           | 484                          | 399                          | 360                          | 279          | 35.6                                 | 9.4                  | 189                 | 208                  | 420  | A |
| grid   power vH 2-410  | 4 OSP.XC  | 380                           | 406                          | 360                          | 321                          | 225          | 40.6                                 | 15.6                 | 147                 | 208                  | 710  | A |
| grid   power vH 2-510  | 5 OSP.XC  | 475                           | 507                          | 450                          | 401                          | 281          | 44.0                                 | 15.1                 | 147                 | 208                  | 710  | A |
| grid   power vH 2-610  | 6 OSP.XC  | 570                           | 609                          | 540                          | 481                          | 337          | 47.3                                 | 14.7                 | 147                 | 208                  | 710  | A |
| grid   power vH 2-710  | 7 OSP.XC  | 665                           | 710                          | 630                          | 561                          | 394          | 50.9                                 | 14.1                 | 147                 | 208                  | 710  | A |
| grid   power vH 2-810  | 8 OSP.XC  | 760                           | 812                          | 720                          | 641                          | 450          | 53.8                                 | 13.6                 | 147                 | 208                  | 710  | A |
| grid   power vH 2-910  | 9 OSP.XC  | 855                           | 913                          | 810                          | 721                          | 506          | 67.0                                 | 18.7                 | 215                 | 193                  | 710  | B |
| grid   power vH 2-1010 | 10 OSP.XC | 950                           | 1015                         | 900                          | 801                          | 562          | 70.6                                 | 18.1                 | 215                 | 193                  | 710  | B |
| grid   power vH 2-1120 | 11 OSP.XC | 1045                          | 1116                         | 990                          | 881                          | 619          | 73.6                                 | 17.7                 | 215                 | 193                  | 710  | B |
| grid   power vH 2-1220 | 12 OSP.XC | 1140                          | 1218                         | 1080                         | 962                          | 675          | 84.6                                 | 23.0                 | 215                 | 235                  | 710  | B |
| grid   power vH 2-1320 | 13 OSP.XC | 1235                          | 1319                         | 1170                         | 1042                         | 731          | 88.2                                 | 22.5                 | 215                 | 235                  | 710  | B |
| grid   power vH 2-1420 | 14 OSP.XC | 1330                          | 1420                         | 1260                         | 1122                         | 787          | 91.1                                 | 22.1                 | 215                 | 235                  | 710  | B |
| grid   power vH 2-1520 | 15 OSP.XC | 1425                          | 1522                         | 1350                         | 1202                         | 844          | 102.1                                | 27.3                 | 215                 | 277                  | 710  | B |
| grid   power vH 2-1620 | 16 OSP.XC | 1520                          | 1623                         | 1440                         | 1282                         | 900          | 105.2                                | 26.8                 | 215                 | 277                  | 710  | B |
| grid   power vH 2-1720 | 17 OSP.XC | 1615                          | 1725                         | 1530                         | 1362                         | 956          | 108.4                                | 26.5                 | 215                 | 277                  | 710  | B |
| grid   power vH 2-1740 | 15 OSP.XC | 1725                          | 1740                         | 1511                         | 1338                         | 916          | 123.5                                | 32.9                 | 215                 | 277                  | 855  | B |
| grid   power vH 2-1860 | 16 OSP.XC | 1840                          | 1856                         | 1611                         | 1427                         | 977          | 127.5                                | 32.4                 | 215                 | 277                  | 855  | B |
| grid   power vH 2-1980 | 17 OSP.XC | 1955                          | 1973                         | 1712                         | 1517                         | 1038         | 131.2                                | 32.0                 | 215                 | 277                  | 855  | B |
| grid   power vH 2-2100 | 18 OSP.XC | 2070                          | 2089                         | 1813                         | 1606                         | 1099         | 162.5                                | 51.1                 | 215                 | 400                  | 815  | C |
| grid   power vH 2-2340 | 20 OSP.XC | 2300                          | 2321                         | 2014                         | 1784                         | 1221         | 170.0                                | 49.2                 | 215                 | 400                  | 815  | C |
| grid   power vH 2-2820 | 24 OSP.XC | 2760                          | 2785                         | 2417                         | 2141                         | 1465         | 216.4                                | 64.3                 | 215                 | 490                  | 815  | D |
| grid   power vH 2-3060 | 26 OSP.XC | 2990                          | 3017                         | 2619                         | 2319                         | 1588         | 224.7                                | 63.4                 | 215                 | 490                  | 815  | D |
| grid   power vH 2-3300 | 28 OSP.XC | 3220                          | 3249                         | 2820                         | 2498                         | 1710         | 231.9                                | 62.2                 | 215                 | 490                  | 815  | D |
| grid   power vH 2-3540 | 30 OSP.XC | 3450                          | 3481                         | 3021                         | 2676                         | 1832         | 253.8                                | 74.5                 | 215                 | 580                  | 815  | D |
| grid   power vH 2-3780 | 32 OSP.XC | 3680                          | 3713                         | 3223                         | 2855                         | 1954         | 262.4                                | 73.1                 | 215                 | 580                  | 815  | D |
| grid   power vH 2-4020 | 34 OSP.XC | 3910                          | 3945                         | 3424                         | 3033                         | 2076         | 270.3                                | 71.8                 | 215                 | 580                  | 815  | D |
| grid   power vH 2-4260 | 36 OSP.XC | 4140                          | 4177                         | 3626                         | 3211                         | 2198         | 277.6                                | 71.0                 | 215                 | 580                  | 815  | D |

C<sub>10</sub>, C<sub>5</sub>, C<sub>3</sub> and C<sub>1</sub> = Capacity at 10 h, 5 h, 3 h and 1 h discharge

\* according to DIN 40736-1 data to be understood as maximum values

| Series OGi bloc       | DIN Type         | C <sub>nom</sub> /<br>1.80 V<br>Ah | C <sub>10</sub> /<br>1.80 V<br>Ah | C <sub>5</sub> /<br>1.75 V<br>Ah | C <sub>3</sub> /<br>1.70 V<br>Ah | C <sub>1</sub> /<br>1.70 V<br>Ah | C <sub>1/2</sub> /<br>1.65 V<br>Ah | C <sub>1/6</sub> /<br>1.65 V<br>Ah | Weight<br>approx.<br>kg | Weight electrolyte<br>kg (1.24 kg/l) | max.* Length L<br>mm | max.* Width W<br>mm | max.* Height H<br>mm | Fig. |
|-----------------------|------------------|------------------------------------|-----------------------------------|----------------------------------|----------------------------------|----------------------------------|------------------------------------|------------------------------------|-------------------------|--------------------------------------|----------------------|---------------------|----------------------|------|
| grid   power vH 6-20  | OGi bloc 6 V 20  | 18                                 | 23                                | 20                               | 18                               | 14                               | 11                                 | 7                                  | 9.5                     | 3.2                                  | 115                  | 178                 | 285                  | A    |
| grid   power vH 6-40  | OGi bloc 6 V 40  | 36                                 | 46                                | 41.61                            | 37                               | 27                               | 21                                 | 14                                 | 12                      | 2.9                                  | 115                  | 178                 | 285                  | A    |
| grid   power vH 6-60  | OGi bloc 6 V 60  | 54                                 | 70                                | 61                               | 55                               | 41                               | 32                                 | 22                                 | 18.7                    | 5.9                                  | 205                  | 178                 | 285                  | A    |
| grid   power vH 6-80  | OGi bloc 6 V 80  | 72                                 | 93                                | 82                               | 74                               | 54                               | 43                                 | 29                                 | 21.2                    | 5.7                                  | 205                  | 178                 | 285                  | A    |
| grid   power vH 6-100 | OGi bloc 6 V 100 | 90                                 | 116                               | 102                              | 92                               | 68                               | 53                                 | 36                                 | 27.8                    | 8.7                                  | 285                  | 178                 | 285                  | A    |
| grid   power vH 6-110 | OGi bloc 6 V 110 | 108                                | 139                               | 126                              | 111                              | 81                               | 64                                 | 43                                 | 30.6                    | 8.7                                  | 285                  | 178                 | 285                  | A    |
| grid   power vH 6-130 | OGi bloc 6 V 130 | 128                                | 174                               | 155                              | 139                              | 101                              | 80                                 | 50                                 | 40.9                    | 14.9                                 | 285                  | 232                 | 335                  | A    |
| grid   power vH 6-160 | OGi bloc 6 V 160 | 160                                | 218                               | 193                              | 174                              | 126                              | 100                                | 62                                 | 44.9                    | 14.1                                 | 285                  | 232                 | 335                  | A    |
| grid   power vH 6-200 | OGi bloc 6 V 200 | 192                                | 261                               | 232                              | 208                              | 151                              | 120                                | 74                                 | 49.4                    | 13.8                                 | 285                  | 232                 | 335                  | A    |
| grid   power vH 4-230 | OGi bloc 4 V 230 | 224                                | 305                               | 270                              | 243                              | 177                              | 140                                | 87                                 | 40.7                    | 12.1                                 | 252                  | 232                 | 335                  | B    |
| grid   power vH 4-260 | OGi bloc 4 V 260 | 256                                | 348                               | 309                              | 278                              | 202                              | 160                                | 99                                 | 43.2                    | 11.6                                 | 252                  | 232                 | 335                  | B    |

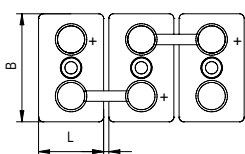
C<sub>nom</sub> = Nominal capacity according to DIN 40739 at 10 h discharge · C<sub>10</sub> = Real capacity at 10 h discharge

\* according to DIN 40739 data to be understood as maximum values



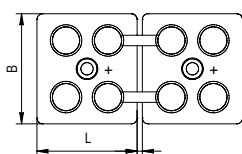
## Capacities, dimensions and weights

**Fig. A** Series OSP.XC



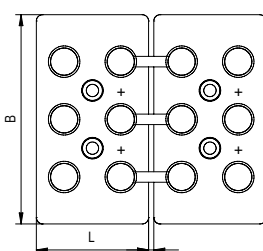
grid | power VH 2-130 -  
grid | power VH 2-810

**Fig. B** Series OSP.XC



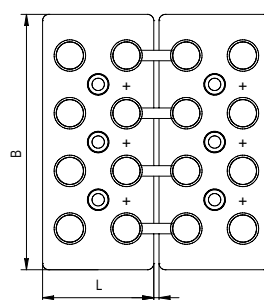
grid | power VH 2-910 -  
grid | power VH 2-1980

**Fig. C** Series OSP.XC

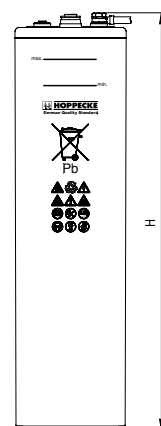


grid | power VH 2-2100 -  
grid | power VH 2-2340

**Fig. D** Series OSP.XC



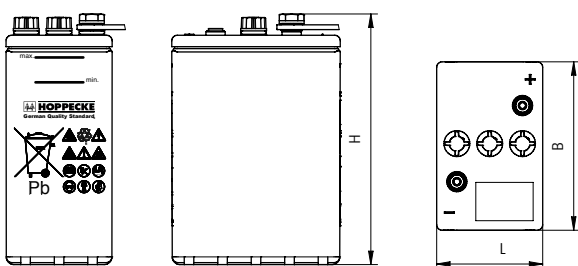
grid | power VH 2-2820 -  
grid | power VH 2-4260



Design life: up to 18 years

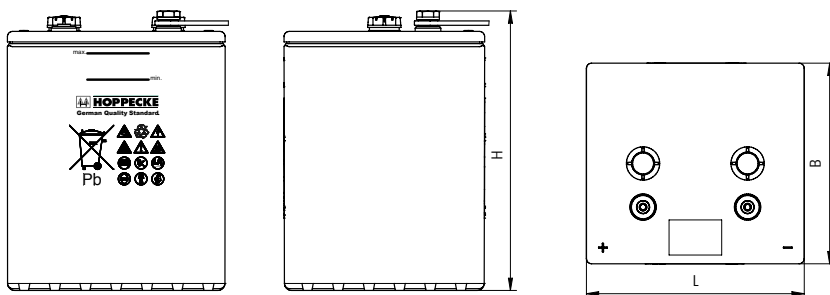
**Optimal environmental compatibility – closed loop for recovery of materials in an accredited recycling system**

**Fig. A** Series OGi bloc



grid | power VH 6-20 - grid | power VH 6-200

**Fig. B** Series OGi bloc



grid | power VH 4-230 - grid | power VH 4-260

Design life: up to 15 years

**Optimal environmental compatibility – closed loop for recovery of materials in an accredited recycling system**



HOPPECKE Batterien GmbH & Co. KG  
Bontkirchener Str. 1  
D - 59929 Brilon  
Tel.: +49 (0) 2963 61-374  
Fax: +49 (0) 2963 61-270  
E-Mail: [reservepower@hoppecke.com](mailto:reservepower@hoppecke.com)

