

OPzS solar.power

Vented lead-acid battery for cyclic applications



Motive Power Systems

Reserve Power Systems

Special Power Systems

Service

Your benefits with HOPPECKE OPzS solar.power

- **Highest cycle stability during PSoC¹ operation** - due to tubular plate design with efficient charge current acceptance
- **Maximum efficiency with reduced charging factor** - ready for use of optional electrolyte recirculation
- **Maximum compatibility** - dimensions according to DIN 40736-1
- **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 aerosols²



Typical applications of HOPPECKE OPzS solar.power

- **Solar-/Off-grid applications**
Power supply for remote off-grid applications and isolated power networks, drinking water supply systems, healthcare facilities
- **Telecommunications**
Mobile phone stations
BTS-stations
Off-grid/on-grid solutions
- **Traffic systems**
Signalling systems
Lighting



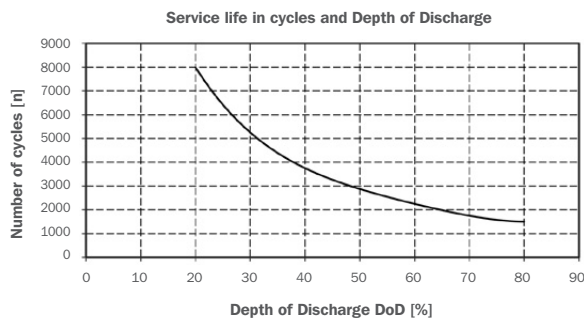
HOPPECKE

POWER FROM INNOVATION

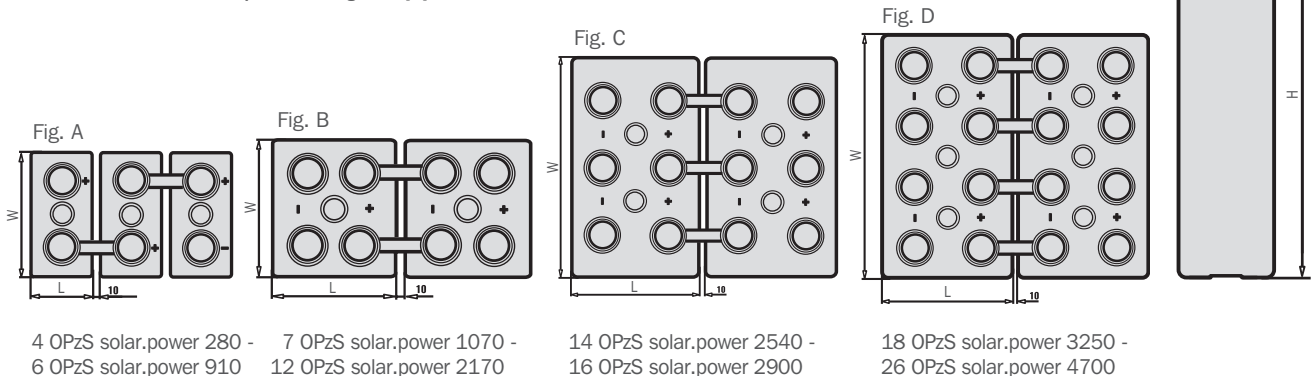
Type overview

Capacities, dimensions and weights

| Type | C ₁₀₀ /1.85 V Ah | C ₅₀ /1.85 V Ah | C ₂₄ /1.83 V Ah | C ₁₀ /1.80 V Ah | C ₅ /1.77 V Ah | max. Weight kg | Weight electrolyte kg (1.24 kg/l) | max.* Length L mm | max.* Width W mm | max.* Height H mm | Fig. |
|--------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|---------------------------|----------------|-----------------------------------|-------------------|------------------|-------------------|------|
| 4 OPzS solar.power 280 | 280 | 265 | 245 | 213 | 182 | 17.1 | 4.5 | 105 | 208 | 420 | A |
| 5 OPzS solar.power 350 | 350 | 330 | 307 | 266 | 227 | 20.7 | 5.6 | 126 | 208 | 420 | A |
| 6 OPzS solar.power 420 | 420 | 395 | 370 | 320 | 273 | 24.6 | 6.7 | 147 | 208 | 420 | A |
| 5 OPzS solar.power 520 | 520 | 490 | 454 | 390 | 345 | 29.1 | 8.5 | 126 | 208 | 535 | A |
| 6 OPzS solar.power 620 | 620 | 585 | 542 | 468 | 414 | 34.1 | 10.1 | 147 | 208 | 535 | A |
| 7 OPzS solar.power 730 | 730 | 685 | 634 | 546 | 483 | 39.2 | 11.7 | 168 | 208 | 535 | A |
| 6 OPzS solar.power 910 | 910 | 860 | 797 | 686 | 590 | 46.1 | 13.3 | 147 | 208 | 710 | A |
| 7 OPzS solar.power 1070 | 1070 | 1002 | 930 | 801 | 691 | 59.1 | 16.7 | 215 | 193 | 710 | B |
| 8 OPzS solar.power 1220 | 1220 | 1145 | 1063 | 915 | 790 | 63.1 | 17.3 | 215 | 193 | 710 | B |
| 9 OPzS solar.power 1370 | 1370 | 1283 | 1192 | 1026 | 887 | 72.4 | 20.5 | 215 | 235 | 710 | B |
| 10 OPzS solar.power 1520 | 1520 | 1425 | 1325 | 1140 | 985 | 76.4 | 21.1 | 215 | 235 | 710 | B |
| 11 OPzS solar.power 1670 | 1670 | 1572 | 1459 | 1256 | 1086 | 86.6 | 25.2 | 215 | 277 | 710 | B |
| 12 OPzS solar.power 1820 | 1820 | 1715 | 1591 | 1370 | 1185 | 90.6 | 25.8 | 215 | 277 | 710 | B |
| 12 OPzS solar.power 2170 | 2170 | 2010 | 1843 | 1610 | 1400 | 110.4 | 32.7 | 215 | 277 | 855 | B |
| 14 OPzS solar.power 2540 | 2540 | 2349 | 2163 | 1881 | 1632 | 142.3 | 46.2 | 215 | 400 | 815 | C |
| 16 OPzS solar.power 2900 | 2900 | 2685 | 2472 | 2150 | 1865 | 150.9 | 45.9 | 215 | 400 | 815 | C |
| 18 OPzS solar.power 3250 | 3250 | 3015 | 2765 | 2412 | 2097 | 179.1 | 56.4 | 215 | 490 | 815 | D |
| 20 OPzS solar.power 3610 | 3610 | 3350 | 3072 | 2680 | 2330 | 187.3 | 55.7 | 215 | 490 | 815 | D |
| 22 OPzS solar.power 3980 | 3980 | 3685 | 3388 | 2952 | 2562 | 212.5 | 67.0 | 215 | 580 | 815 | D |
| 24 OPzS solar.power 4340 | 4340 | 4020 | 3696 | 3220 | 2795 | 221.2 | 66.4 | 215 | 580 | 815 | D |
| 26 OPzS solar.power 4700 | 4700 | 4355 | 4004 | 3488 | 3028 | 229.6 | 65.4 | 215 | 580 | 815 | D |



C₁₀₀, C₅₀, C₂₄, C₁₀ and C₅ =
Capacity at 100 h, 50 h, 24 h, 10 h and 5 h discharge
* according to DIN 40736-1 data to be understood as maximum values



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

IEC 60896-11
IEC 61427

¹ Partial State of Charge (Teilladebetrieb)
² Similar to sealed lead-acid batteries