OPzS bloc solar.power

Vented lead-acid battery for cyclic applications

Motive Power Systems
Reserve Power Systems
Special Power Systems
Service

Your benefits with HOPPECKE OPzS bloc solar.power

- **Maximum cycle stability and durability** - in particular during PSoC[1] operations
- **Highest reliability** - in power supply for remote off-grid applications
- **Quick and easy of electrolyte level and battery handling** - battery container made of impact-proof, highly-translucent polypropylene housing and battery lid with integral handle
- **Optimal environmental compatibility** - closed loop for recovery of materials in an accredited recycling system
- **Extremely extended water refill intervals up to maintenance-free** - optional use of AquaGen® recombination system minimizes emission of gas and aerosols[2]

Similar to the illustration, AquaGen® optional

Typical applications of HOPPECKE OPzS bloc solar.power

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

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- **Maximum cycle stability and durability** - in particular during PSoC[1] operations
- **Highest reliability** - in power supply for remote off-grid applications
- **Maximum efficiency with reduced charging factor** - ready for use of optional electrolyte recirculation
- **Optimal environmental compatibility** - closed loop for recovery of materials in an accredited recycling system
- **Extremely extended water refill intervals up to maintenance-free** - optional use of AquaGen® recombination system minimizes emission of gas and aerosols[2]

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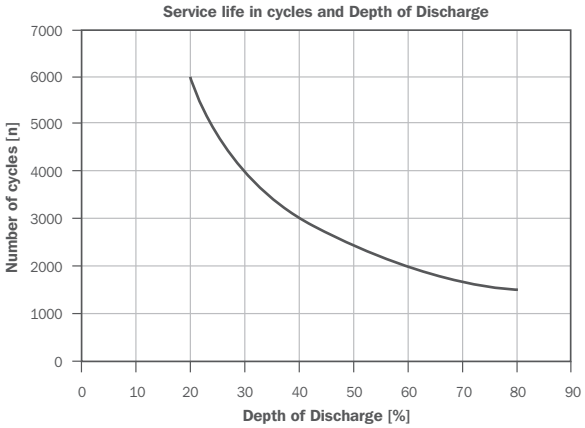
Type overview

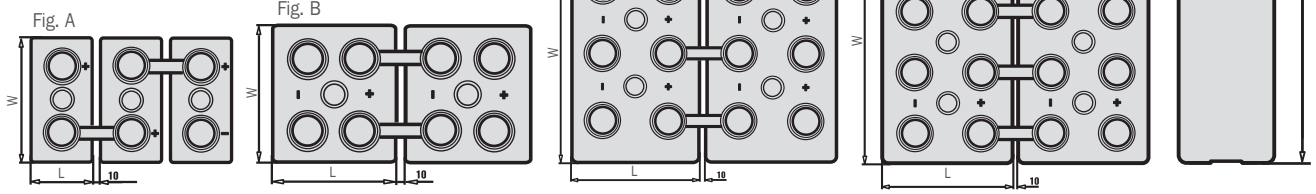
Capacities, dimensions and weights

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**	Length L **mm**	Width W **mm**	Height H **mm**	Fig.
4 OPzS solar.power 280	280.0	265.0	244.8	213.0	181.5	17.2	105	208	420	A
5 OPzS solar.power 350	350.0	330.0	307.2	266.0	227.0	20.8	126	208	420	A
6 OPzS solar.power 420	420.0	395.0	369.6	320.0	272.5	24.3	147	208	420	A
5 OPzS solar.power 520	520.0	490.0	453.6	390.0	345.0	26.9	126	208	535	A
6 OPzS solar.power 620	620.0	585.0	542.4	468.0	414.0	31.5	147	208	535	A
7 OPzS solar.power 730	730.0	685.0	633.6	546.0	483.0	36.1	168	208	535	A
6 OPzS solar.power 910	910.0	860.0	796.8	686.0	590.0	44.8	147	208	710	A
8 OPzS solar.power 1220	1220.0	1145.0	1063.2	915.0	790.0	61.3	215	193	710	B
10 OPzS solar.power 1520	1520.0	1425.0	1324.8	1140.0	985.0	74.6	215	235	710	B
12 OPzS solar.power 1820	1820.0	1715.0	1591.2	1370.0	1185.0	88.0	215	277	710	B
12 OPzS solar.power 2170	2170.0	2010.0	1843.2	1610.0	1400.0	114.3	215	277	855	B
16 OPzS solar.power 2900	2900.0	2685.0	2472.0	2150.0	1865.0	151.5	215	400	815	C
20 OPzS solar.power 3610	3610.0	3350.0	3072.0	2680.0	2330.0	193.0	215	490	815	D
24 OPzS solar.power 4340	4340.0	4020.0	3696.0	3220.0	2795.0	246.0	215	580	815	D

C_{100}, C_{50}, C_{24}, C_{10} and C_5 = Capacity at 100 h, 50 h, 24 h, 10 h and 5 h discharge



The HOPPECKE electrolyte recirculation system efficiently prevents electrolyte stratification during cyclic application.



4 OPzS solar.power 280 - 6 OPzS solar.power 910

8 OPzS solar.power 1220 - 12 OPzS solar.power 2170

16 OPzS solar.power 2900

20 OPzS solar.power 3610 - 24 OPzS solar.power 4340

IEC 60896-11
IEC 61427

Design according to DIN 40736-1

[1] Partial State of Charge (Teilentladebetrieb)
[2] Similar to VRLA batteries

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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**	Length L **mm**	Width W **mm**	Height H **mm**	Fig.
12V 1 OPzS bloc solar.power 70	70.0	65.0	60.0	50.0	44.0	37.0	272	205	383	A
12V 2 OPzS bloc solar.power 130	130.0	130.0	120.0	101.0	88.0	48.0	272	205	383	A
12V 3 OPzS bloc solar.power 200	200.0	190.0	180.0	151.0	132.0	67.0	380	205	383	A
6V 4 OPzS bloc solar.power 270	270.0	255.0	240.0	202.0	176.0	47.0	272	205	383	B
6V 5 OPzS bloc solar.power 330	330.0	320.0	297.6	252.0	220.0	60.0	380	205	383	B
6V 6 OPzS bloc solar.power 400	400.0	380.0	357.6	302.0	263.5	67.0	380	205	383	B

C_{100}, C_{50}, C_{24}, C_{10} and C_5 = Capacity at 100 h, 50 h, 24 h, 10 h and 5 h discharge

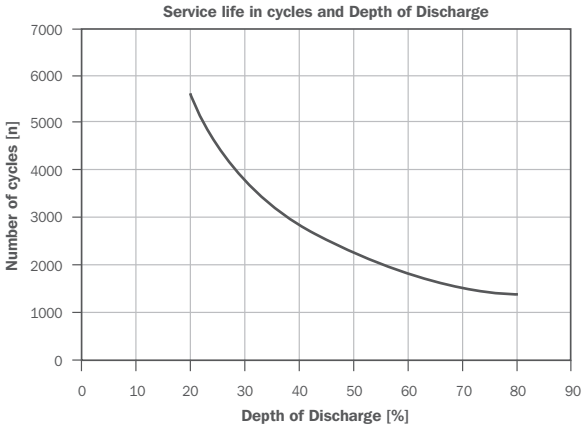
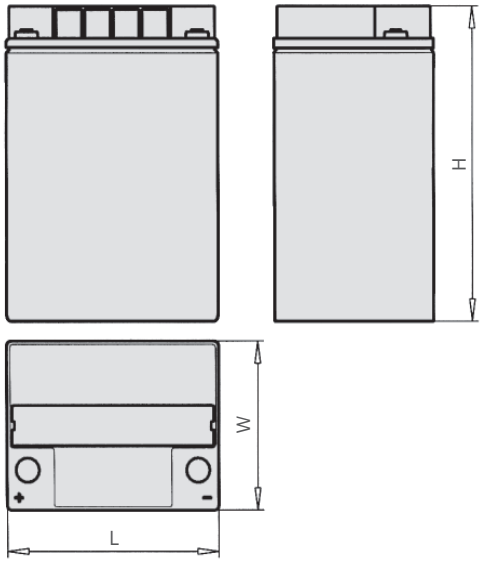
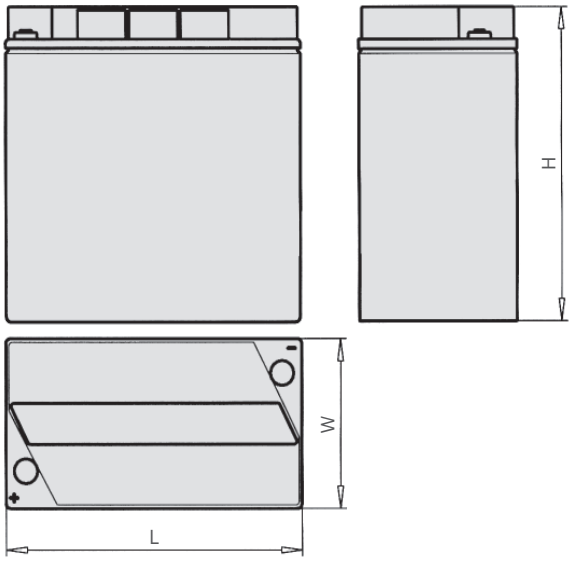


Fig. A



12 V 1 OPzS bloc solar.power 70 - 12 V 3 OPzS bloc solar.power 200

Fig. B



6 V 4 OPzS bloc solar.power 270 - 6 V 6 OPzS bloc solar.power 400

IEC 60896-11
IEC 61427

Design according to DIN 40737-3

[1] Partial State of Charge
[2] Similar to VRLA batteries

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