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 PSoC[1] operation** - due to tubular plate design with efficient charge current acceptance
- **Maximum efficiency with reduced charging factor** - ready for use of optional elelctrolyte 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 aerosols[2]

Similar to the illustration, AquaGen® optional

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

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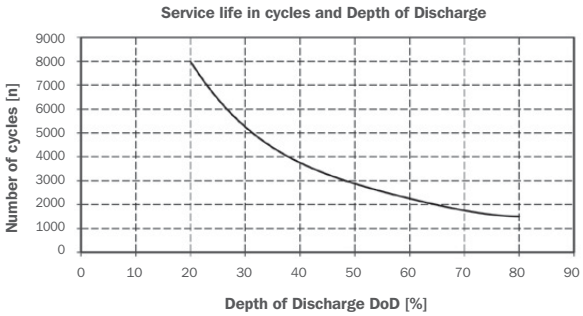
Type overview

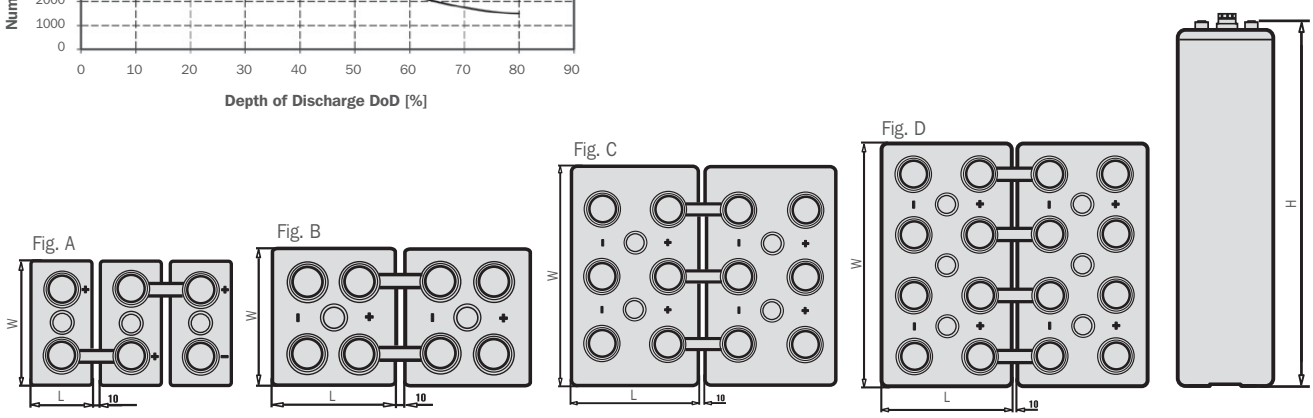
Capacities, dimensions and weights

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**	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	280.0	265.0	244.8	213.0	181.5	17.3	4.5	105	208	420	A
5 OPzS solar.power 350	350.0	330.0	307.2	266.0	227.0	21.0	5.6	126	208	420	A
6 OPzS solar.power 420	420.0	395.0	369.6	320.0	272.5	24.9	6.7	147	208	420	A
5 OPzS solar.power 520	520.0	490.0	453.6	390.0	345.0	29.3	8.5	126	208	535	A
6 OPzS solar.power 620	620.0	585.0	542.4	468.0	414.0	34.4	10.1	147	208	535	A
7 OPzS solar.power 730	730.0	685.0	633.6	546.0	483.0	39.5	11.7	168	208	535	A
6 OPzS solar.power 910	910.0	860.0	796.8	686.0	590.0	46.1	13.3	147	208	710	A
7 OPzS solar.power 1070	1070.0	1001.9	930.3	800.6	691.3	59.1	16.7	215	193	710	B
8 OPzS solar.power 1220	1220.0	1145.0	1063.2	915.0	790.0	63.1	17.3	215	193	710	B
9 OPzS solar.power 1370	1370.0	1282.5	1192.3	1026.0	886.5	72.4	20.5	215	235	710	B
10 OPzS solar.power 1520	1520.0	1425.0	1324.8	1140.0	985.0	76.4	21.1	215	235	710	B
11 OPzS solar.power 1670	1670.0	1572.1	1458.6	1255.8	1086.3	86.6	25.2	215	277	710	B
12 OPzS solar.power 1820	1820.0	1715.0	1591.2	1370.0	1185.0	90.6	25.8	215	277	710	B
12 OPzS solar.power 2170	2170.0	2010.0	1843.2	1610.0	1400.0	110.4	32.7	215	277	855	B
14 OPzS solar.power 2540	2540.0	2349.4	2163.0	1881.3	1631.9	142.3	46.2	215	400	815	C
16 OPzS solar.power 2900	2900.0	2685.0	2472.0	2150.0	1865.0	150.9	45.9	215	400	815	C
18 OPzS solar.power 3250	3250.0	3015.0	2764.8	2412.0	2097.0	179.1	56.4	215	490	815	D
20 OPzS solar.power 3610	3610.0	3350.0	3072.0	2680.0	2330.0	187.3	55.7	215	490	815	D
22 OPzS solar.power 3980	3980.0	3685.0	3388.0	2951.7	2562.1	212.5	67.0	215	580	815	D
24 OPzS solar.power 4340	4340.0	4020.0	3696.0	3220.0	2795.0	221.2	66.4	215	580	815	D
26 OPzS solar.power 4700	4700.0	4355.0	4004.0	3488.3	3027.9	229.6	65.4	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

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



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

7 OPzS solar.power 1070 - 12 OPzS solar.power 2170

14 OPzS solar.power 2540 - 16 OPzS solar.power 2900

18 OPzS solar.power 3250 - 26 OPzS solar.power 4700

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

IEC 60896-11
IEC 61427

[1] Partial State of Charge (Teilentladebetrieb)
[2] Similar to sealed lead-acid batteries

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