

SPzS Battery

4800 cycles at 50% DOD

Tubular positive plates with special
low-antimony lead alloy

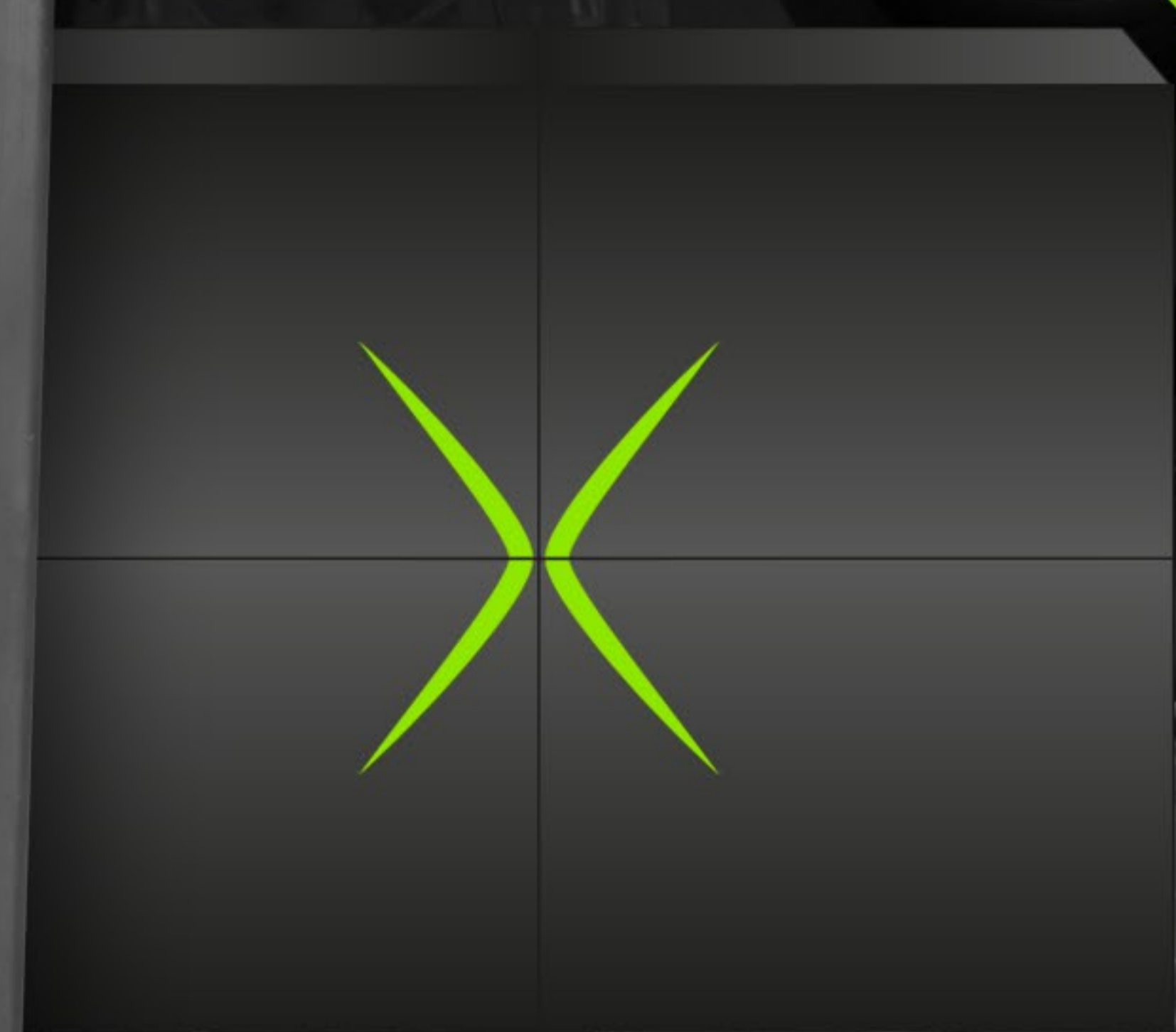
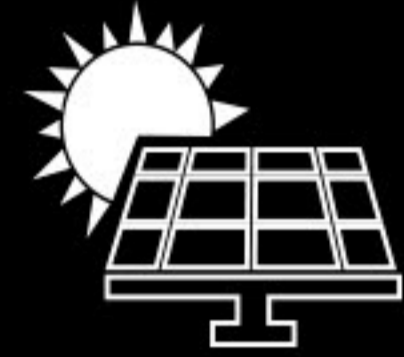
Pasted negative plates of grid design with
optimized low-antimony lead alloy

2V Cells or mounted as 12V blocks

Fully compliant with

IEC 60896-11 & DIN EN 60254-2

Design life up to 20 years for 2V cells



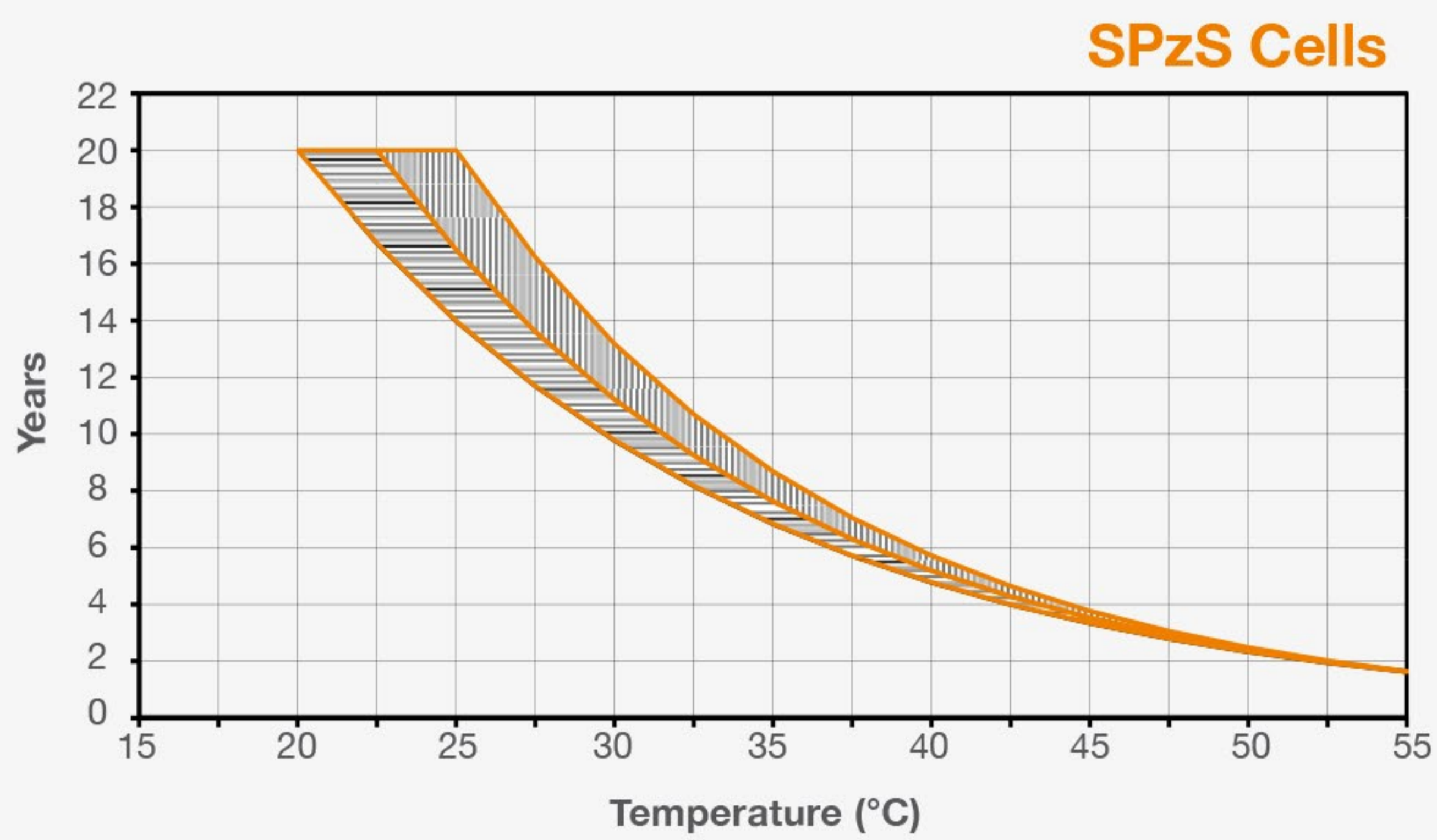
Pack all included
6-40kWh

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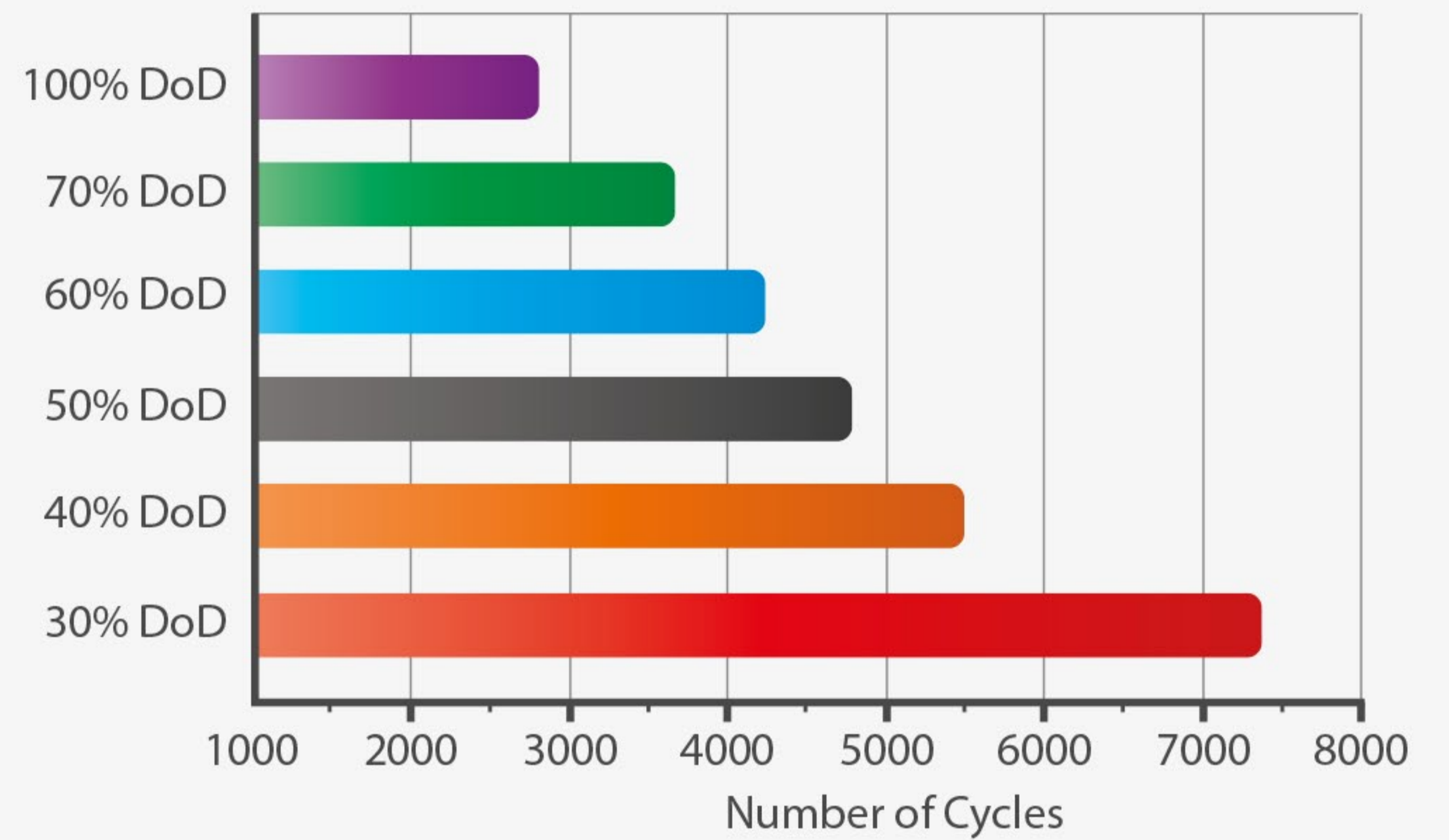


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Expected Service Life vs. Operating Temperature



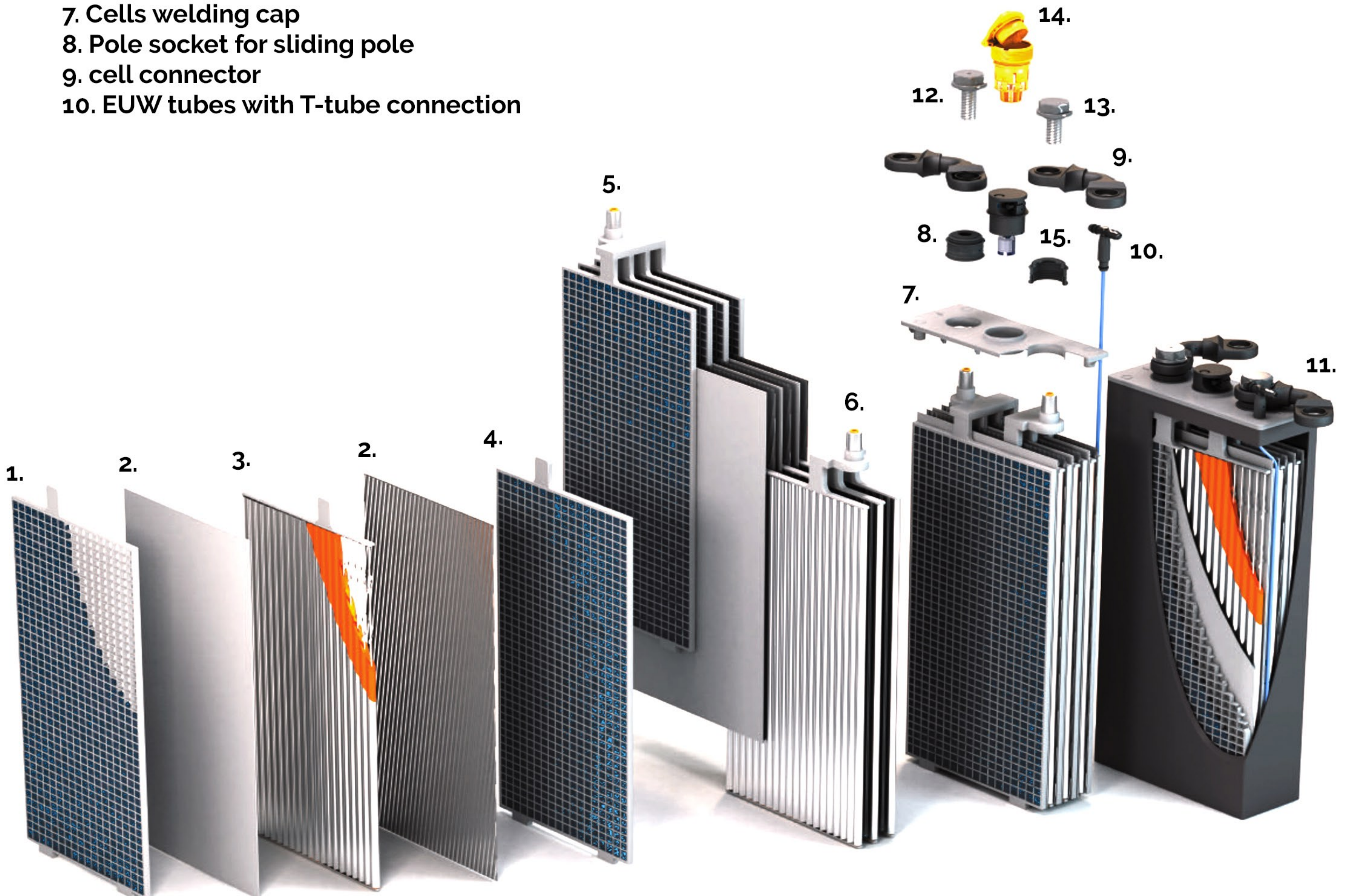
Different DOD Discharge Cycle Life



Building a Solar armor plates acid battery (SPzS)

1. Negative electrode
2. Separator
3. Positive electrode
4. Negative center electrode
5. Negative plate set with Pol and Pol Bridge
6. Positive plate set with Pol and Pol Bridge
7. Cells welding cap
8. Pole socket for sliding pole
9. cell connector
10. EUW tubes with T-tube connection

11. Cell box with integrated prism
12. Terminal screw - (with measurement point)
13. Terminal screw + (with measurement point)
14. Plug plugs S35
15. Water After filling plug BFS III



SPzS Battery

Maintenance, Deep cycle execution (to DIN EN 60254-2)

Designation	Rated capacity C ₁₀ /C ₁₀₀ (Ah)	Weight ± 5% (kg)	Length 0 -2 (mm)	Width 0 -2 (mm)	Height over cover (mm)	Overall height (mm)
2 SPzS 120	120/170	8,4	47	198	340	365
3 SPzS 180	180/260	11,8	65	198	340	365
4 SPzS 240	240/350	15,5	83	198	340	365
5 SPzS 300	300/430	19,0	101	198	340	365
6 SPzS 360	360/520	22,5	119	198	340	365
7 SPzS 420	420/600	26,1	137	198	340	365
8 SPzS 480	480/690	29,8	155	198	340	365
9 SPzS 540	540/780	33,3	174	198	340	365
10 SPzS 600	600/860	36,8	192	198	340	365

2 SPzS 160	160/230	8,9	47	198	403	428
3 SPzS 240	240/350	14,2	65	198	403	428
4 SPzS 320	320/460	18,1	83	198	403	428
5 SPzS 400	400/580	22,6	101	198	403	428
6 SPzS 480	480/690	26,6	119	198	403	428
7 SPzS 560	560/800	31,1	137	198	403	428
8 SPzS 640	640/920	35,1	155	198	403	428
9 SPzS 720	720/1040	39,3	174	198	403	428
10 SPzS 800	800/1160	43,4	192	198	403	428

2 SPzS 180	180/260	11,9	47	198	470	495
3 SPzS 270	270/390	16,9	65	198	470	495
4 SPzS 360	360/520	21,6	83	198	470	495
5 SPzS 450	450/650	26,3	101	198	470	495
6 SPzS 540	540/780	31,1	119	198	470	495
7 SPzS 630	630/910	36,1	137	198	470	495
8 SPzS 720	720/1040	40,8	155	198	470	495
9 SPzS 810	810/1170	39,3	174	198	470	495
10 SPzS 900	900/1300	47,3	192	198	470	495

2 SPzS 230	230/330	14,3	47	198	549	574
3 SPzS 345	345/500	20,3	65	198	549	574
4 SPzS 460	460/660	26,0	83	198	549	574
5 SPzS 575	575/830	31,8	101	198	549	574
6 SPzS 690	690/990	37,9	119	198	549	574
7 SPzS 805	805/1160	43,8	137	198	549	574
8 SPzS 920	920/1330	49,8	155	198	549	574
9 SPzS 1035	1035/1490	55,7	174	198	549	574
10 SPzS 1150	1150/1660	61,5	192	198	549	574

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Designation	Rated capacity C ₁₀ / C ₁₀₀ (Ah)	Weight ± 5% (kg)	Length 0 -2 (mm)	Width 0 -2 (mm)	Height over cover (mm)	Overall height (mm)
2 SPzS 250	250/360	15,0	47	198	575	600
3 SPzS 375	375/540	21,7	65	198	575	600
4 SPzS 500	500/720	27,4	83	198	575	600
5 SPzS 625	625/900	33,9	101	198	575	600
6 SPzS 750	750/1080	40,3	119	198	575	600
7 SPzS 875	875/1260	46,5	137	198	575	600
8 SPzS 1000	1000/1440	53,1	155	198	575	600
9 SPzS 1125	1125/1620	59,4	174	198	575	600
10 SPzS 1250	1250/1800	66,0	192	198	575	600

2 SPzS 280	280/410	17,5	47	198	690	715
3 SPzS 420	420/600	24,7	65	198	690	715
4 SPzS 560	560/800	31,8	83	198	690	715
5 SPzS 700	700/1010	39,3	101	198	690	715
6 SPzS 840	840/1210	46,7	119	198	690	715
7 SPzS 980	980/1410	53,9	137	198	690	715
8 SPzS 1120	1120/1610	61,3	155	198	690	715
9 SPzS 1260	1260/1810	68,6	174	198	690	715
10 SPzS 1400	1400/2020	76,0	192	198	690	715

2 SPzS 310	310/450	18,9	47	198	720	745
3 SPzS 465	465/670	26,7	65	198	720	745
4 SPzS 620	620/890	34,6	83	198	720	745
5 SPzS 775	775/1120	42,6	101	198	720	745
6 SPzS 930	930/1340	50,5	119	198	720	745
7 SPzS 1085	1085/1560	58,5	137	198	720	745
8 SPzS 1240	1240/1790	66,4	155	198	720	745
9 SPzS 1395	1395/2010	74,4	174	198	720	745
10 SPzS 1550	1550/2230	82,4	192	198	720	745

Cells in other dimensions on request.

The specified weight refers to filled and charged battery cells.

Subject to technical changes!

