

PzS / PzB Series

European Traction Battery



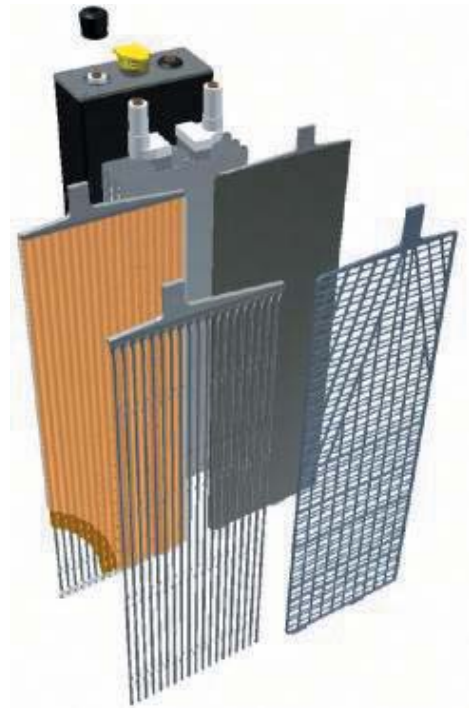
Dynamic force of life



Global's advanced technology of tubular plates and new construction method ensure you longer service life of your electric vehicle.

TECHNICAL FEATURES

- 1) Global's PzS & PzB series are compliant to DIN EN 60254-2.
- 2) **Positive Grid**
The grids produced by high pressure casting system have an excellent advantage in cycle life of traction cell due to its anti-corrosion characteristic.
- 3) **Tubular Cell**
Tubular type plates firmly hold active materials in right place and solve the problem of shedding once and for all, and ensure you of high capacity, strong power and minimum defect.
- 4) **Microporous Separators**
Microporous polyethylene separators assure ionic circulation and low internal resistance.
- 5) **Rubber Bushing**
Rubber bushing around terminal protects cover breakage and keeps plates safe from the external shocks and vibration.
- 6) **Heat-Sealed Case and Cover**
The cases and covers are made of polypropylene, which are high impact-resistant and heat-sealed for perfect leak-proof assembly.
- 7) **Push in Flip Plug**
Flip plug with electrolyte indication.
- 8) **Cell connection for bolt-on type**
Bolt-on type terminals allow cells to be replaced or moved without excessive work.
- 9) **P.E Tube**
P.E Tube is more environmental friendly compared to Glass Tube, contributed by no use of phenol resin.
- 10) **Wet-Filler**
By equalizing the weight of positive plate, wet-filling has an advantage in reducing capacity variation among each cells.



Cell Construction



Die-Caster Grid



P.E Tube







Applications

- 1) **Low duty**
 - Single shift with lower than depth of discharge 60% 5HRC(C5)
 - Electrolyte about 30°C
- 2) **Normal duty**
 - Single shift with depth of discharge 80% 5HRC(C5)
 - Electrolyte about 30°C
- 3) **Heavy duty**
 - Single shift with depth of discharge 80% 5HRC(C5) and high discharge currents
 - Multi-shift using with or without battery change.
 - High ambient temperature.



PzB

PzS

					
Tubular plates	Single cell	Capacity 110~1240Ah	IEC60254-1 1500 N	Recycles	Torque 25±2Nm

PzS cells Technical data and performance

with **bolt-on connectors**, dimensions according to DIN/EN 60254-2 and IEC 60254-2 Series L standards

Plate Type	Type	Capacity [Ah/5hr]	Dimensions(mm)				Weight(kg)	
			[L]	[W]	[H]	[TH]	W/O Acid	With Acid
60 Ah	2PzS120	120	47	198	340	370	6.8	8.7
	3PzS180	180	65	198	340	370	9.7	12.4
	4PzS240	240	83	198	340	370	12.5	16.1
	5PzS300	300	101	198	340	370	15.2	19.7
	6PzS360	360	119	198	340	370	17.9	23.2
	7PzS420	420	137	198	340	370	20.6	26.7
	8PzS480	480	155	198	340	370	23.3	30.2
80 Ah	2PzS160	160	47	198	405	435	8.5	10.9
	3PzS240	240	65	198	405	435	12.1	15.6
	4PzS320	320	83	198	405	435	15.6	20.2
	5PzS400	400	101	198	405	435	19.1	24.7
	6PzS480	480	119	198	405	435	22.6	29.3
	7PzS560	560	137	198	405	435	26.1	33.8
	8PzS640	640	155	198	405	435	29.6	38.3
90 Ah	2PzS680	180	47	198	473	503	9.6	12.4
	3PzS270	270	65	198	473	503	13.6	17.6
	4PzS360	360	83	198	473	503	17.4	22.8
	5PzS450	450	101	198	473	503	21.3	27.9
	6PzS540	540	119	198	473	503	25.1	33.0
	7PzS630	630	137	198	473	503	28.9	38.1
	8PzS720	720	155	198	473	503	32.7	43.2
105 Ah	2PzS210	210	47	198	511	541	10.7	13.7
	3PzS315	315	65	198	511	541	15.2	19.6
	4PzS420	420	83	198	511	541	19.7	25.3
	5PzS525	525	101	198	511	541	24.1	31.1
	6PzS630	630	119	198	511	541	28.5	36.8
	7PzS735	735	137	198	511	541	32.9	42.5
	8PzS840	840	155	198	511	541	37.3	48.2

1) Filled and charged cell weights $\pm 5\%$

2) Overlid height = maximum cell height - 30mm

3) All specifications are chargeable with or without notice



PzS cells Technical data and performance

with **bolt-on connectors**, dimensions according to DIN/EN 60254-2 and IEC 60254-2 Series L standards

Plate Type	Type	Capacity [Ah/5hr]	Dimensions(mm)				Weight(kg)	
			[L]	[W]	[H]	[TH]	W/O Acid	With Acid
115 Ah	2PzS230	230	47	198	545	575	11.5	14.7
	3PzS345	345	65	198	545	575	16.4	21.0
	4PzS460	460	83	198	545	575	21.2	27.3
	5PzS575	575	101	198	545	575	26.0	33.5
	6PzS690	690	119	198	545	575	30.8	39.7
	7PzS805	805	137	198	545	575	35.6	45.9
	8PzS920	920	155	198	545	575	40.4	52.1
125 Ah	2PzS250	250	47	198	574	604	12.1	15.6
	3PzS375	375	65	198	574	604	17.4	22.4
	4PzS500	500	83	198	574	604	22.6	29.1
	5PzS625	625	101	198	574	604	27.7	35.8
	6PzS750	750	119	198	574	604	32.8	42.5
	7PzS875	875	137	198	574	604	37.9	49.2
	8PzS1000	1000	155	198	574	604	43.0	55.9
140 Ah	2PzS280	280	47	198	686	716	14.0	18.2
	3PzS420	420	65	198	686	716	19.8	25.9
	4PzS560	560	83	198	686	716	25.5	33.6
	5PzS700	700	101	198	686	716	31.0	41.0
	6PzS840	840	119	198	686	716	36.8	48.7
	7PzS980	980	137	198	686	716	42.3	56.1
	8PzS1120	1120	155	198	686	716	47.8	63.5
155 Ah	2PzS310	310	47	198	719	749	15.0	19.4
	3PzS465	465	65	198	719	749	21.3	27.7
	4PzS620	620	83	198	719	749	27.6	35.9
	5PzS775	775	101	198	719	749	33.8	44.1
	6PzS930	930	119	198	719	749	40.0	52.3
	7PzS1085	1085	137	198	719	749	46.2	60.5
	8PzS1240	1240	155	198	719	749	52.4	68.7

1) Filled and charged cell weights $\pm 5\%$

2) Overlid height = maximum cell height - 30mm

3) All specifications are chargeable with or without notice



PzB cells Technical data and performance

with **bolt-on connectors**, dimensions according to DIN/EN 60254-2 and IEC 60254-2 Series E standards

Plate Type	Type	Capacity [Ah/5hr]	Dimensions(mm)				Weight(kg)	
			[L]	[W]	[H]	[TH]	W/O Acid	With Acid
55 Ah	2PzB110	110	45	158	397	428	5.9	7.6
	3PzB165	165	61	158	397	428	8.0	10.5
	4PzB220	220	77	158	397	428	10.2	13.4
	5PzB275	275	93	158	397	428	12.4	16.3
	6PzB330	330	109	158	397	428	14.6	19.2
	7PzB385	385	125	158	397	428	16.8	22.2
	8PzB440	440	141	158	397	428	19.0	25.1
	9PzB495	495	157	158	397	428	21.2	28.0
	10PzB550	550	173	158	397	428	23.4	30.9
	11PzB605	605	189	158	397	428	25.6	33.8
12PzB660	660	205	158	397	428	27.8	36.7	
65 Ah	2PzB130	130	45	158	453	484	6.8	8.8
	3PzB195	195	61	158	453	484	9.4	12.2
	4PzB260	260	77	158	453	484	12.0	15.6
	5PzB325	325	93	158	453	484	14.6	19.1
	6PzB390	390	109	158	453	484	17.2	22.5
	7PzB455	455	125	158	453	484	19.8	25.9
	8PzB520	520	141	158	453	484	22.4	29.3
	9PzB585	585	157	158	453	484	25.0	32.7
	10PzB650	650	173	158	453	484	27.6	36.1
	11PzB715	715	189	158	453	484	30.2	39.5
12PzB780	780	205	158	453	484	32.8	42.9	
75 Ah	2PzB150	150	45	158	510	541	7.4	9.7
	3PzB225	225	61	158	510	541	10.3	13.5
	4PzB300	300	77	158	510	541	13.2	17.3
	5PzB375	375	93	158	510	541	16.1	21.2
	6PzB450	450	109	158	510	541	18.9	25.0
	7PzB525	525	125	158	510	541	21.8	28.8
	8PzB600	600	141	158	510	541	24.7	32.6
	9PzB675	675	157	158	510	541	27.6	36.4
	10PzB750	750	173	158	510	541	30.5	40.2
	11PzB825	825	189	158	510	541	33.4	44.0
12PzB900	900	205	158	510	541	36.3	47.8	
85 Ah	2PzB170	170	45	158	566	597	8.5	11.3
	3PzB255	255	61	158	566	597	11.7	15.6
	4PzB340	340	77	158	566	597	14.8	19.9
	5PzB425	425	93	158	566	597	18.0	24.3
	6PzB510	510	109	158	566	597	21.2	28.6
	7PzB595	595	125	158	566	597	24.3	32.9
	8PzB680	680	141	158	566	597	27.4	37.2
	9PzB765	765	157	158	566	597	30.5	41.5
	10PzB850	850	173	158	566	597	33.6	45.8
	11PzB935	935	189	158	566	597	36.7	50.1
12PzB1020	1020	205	158	566	597	39.8	54.4	
100 Ah	2PzB200	200	45	158	602	633	9.6	12.2
	3PzB300	300	61	158	602	633	13.5	17.2
	4PzB400	400	77	158	602	633	17.4	22.1
	5PzB500	500	93	158	602	633	21.3	27.1
	6PzB600	600	109	158	602	633	25.1	32.0
	7PzB700	700	125	158	602	633	29.0	36.9
	8PzB800	800	141	158	602	633	32.9	41.8
	9PzB900	900	157	158	602	633	36.8	46.7
10PzB1000	1000	173	158	602	633	40.7	51.6	

1) Filled and charged cell weights $\pm 5\%$

2) Overlid height = maximum cell height - 30mm

3) All specifications are chargeable with or without notice

Global Leader of Battery Industry

Sebang Global Battery Co., Ltd is the company representing Korean battery industry.

Now, Sebang Global Battery Co., Ltd is concentrating the efforts in order to jump to the top battery manufacturer in the world.

Sebang Global Battery Co., Ltd has led the battery industry in Korea for over half century since its establishment in 1952.

Sebang Global Battery has put forth its strength to the continuous management innovation corresponding to the rapid changing market environment, and has concentrated ceaseless efforts to the technology development in order to produce the best quality product.



SEBANG

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