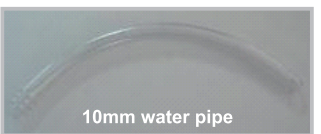
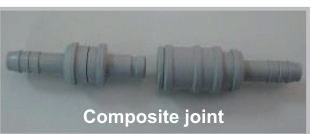
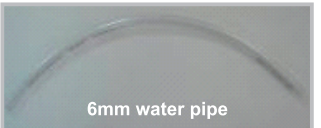
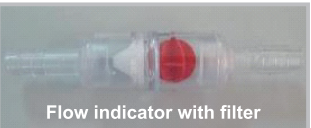
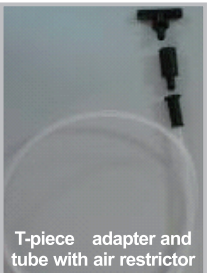
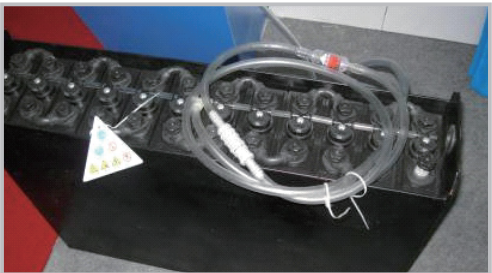
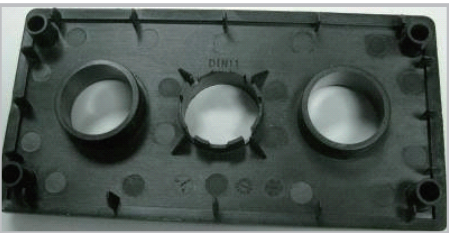


ISO14001 ISO9001 ISO45001

■ Automatic water filling system (optional match)



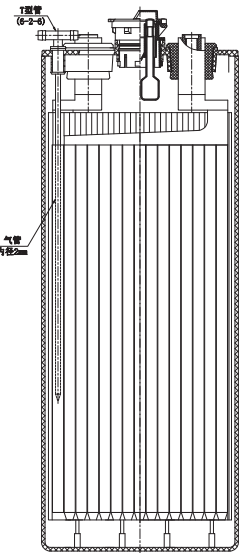
■ Air circulating system



Air circulating designed cover



Conventional cover



The air circulating system also need several connection parts including:

- Tube with air restrictor
- Adapter
- T-piece
- End plug
- Pipe6mm
- Pipe10mm
- T-piece(T-6-10-6)
- Male & female couplings
- Flow indicate

The picture of the connection is as the water system

■ Battery Box for Traction Battery



Polypropylene Hollow Sheet

Arrangement pattern:

12V (6pcs) 1x6 2x3 3x2
24V (12pcs) 1x12 2x6 3x4 4x3
36V (18pcs) 2x9 3x6 4x5 5x4
48V (24pcs) 2x12 3x8 4x6 5x5

Using the polypropylene hollow sheet can increase the resiliency between battery and battery and metal box,which ensure the tight installation between batteries to avoid damage on battery.
It can be designed according to customer's requirements.



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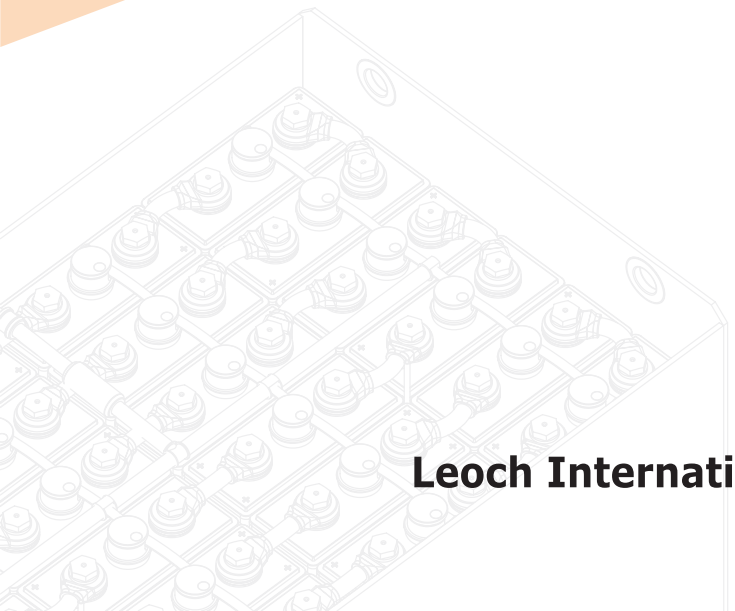


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TRACTION BATTERY

PzS/PzB PRODUCT CATALOG



Leoch International Technology Limited



Company Introduction

Leoch International Technology Limited ("Leoch"), an international new high-tech enterprise listed on the Main Board of the Hong Kong Stock Exchange (stock code: 842), was founded in 1999. We specialize in research and development, manufacturing, sales and marketing of full categories of lead-acid battery. After years of growth, Leoch became one of the leading and is the top exporter of lead-acid battery manufacturer in the People's Republic of China (the "PRC").

Leoch has established eight regional production bases located in Guangdong, Jiangsu and Anhui of the PRC, Malaysia, Sri Lanka and India respectively. With more than 10,000 employees in which more than 500 are technical officer, Leoch factories cover an area of more than 1 million square meters. The 97 production lines and related testing equipments together with three dedicated battery research and development centers located in Guangdong, Anhui and Jiangsu constituted a strong and advance manufacturing and research and development capabilities of the enterprise. Leoch mainly produces reserve power batteries, SLI batteries and motive power batteries and they include series products such as AGM VRLA batteries, VRLA-GEL battery, pure lead batteries, UPS high rate batteries, marine batteries, railway batteries, start-stop batteries, automotive batteries, motorcycle batteries, OPzV, OPzS, PzS, PzV and PzB tubular plate batteries, golf cart batteries, scrubber sweeper batteries and electric vehicle batteries etc.. These products are widely used in various related areas such as telecommunication, power system, radio and television system, railway, solar energy, UPS, emergency lights, security, alarm, gardening tool, car, motorcycle, golf cart, forklift truck, electric vehicle and baby carrier etc.. Leoch annual production capacity exceeds 20 million KVAh.



Our forward-looking research and development team and high production quality make Leoch possessed of influential international competitive power. With more than 40 trading companies established in the PRC and around the world which located in regions like the United States of America, Europe and South-East Asia, our products sell and distribute to more than 100 countries.

Being hardworking and enterprising, through practice, Leoch keeps on developing and blazing new trails constantly. For quality control, professional quality management centres have been set up and successfully acquired the recognition of various standards such as ISO9001, TS16949, ISO14001 and OHSAS18001. In the area of technological innovation, we have carried out technical cooperation with renowned overseas battery manufacturers, introduced advance equipment and instruments from domestic and overseas suppliers and obtained a number of patent technologies. Our production capability has reached international advanced level. To enhance Leoch independent innovation ability, we continuously perform technical exchanges and cooperation with famous universities in the PRC and has established research bases with them. For Leoch to become a globalized competitive leading battery manufacturer soon, we have laid a solid foundation.

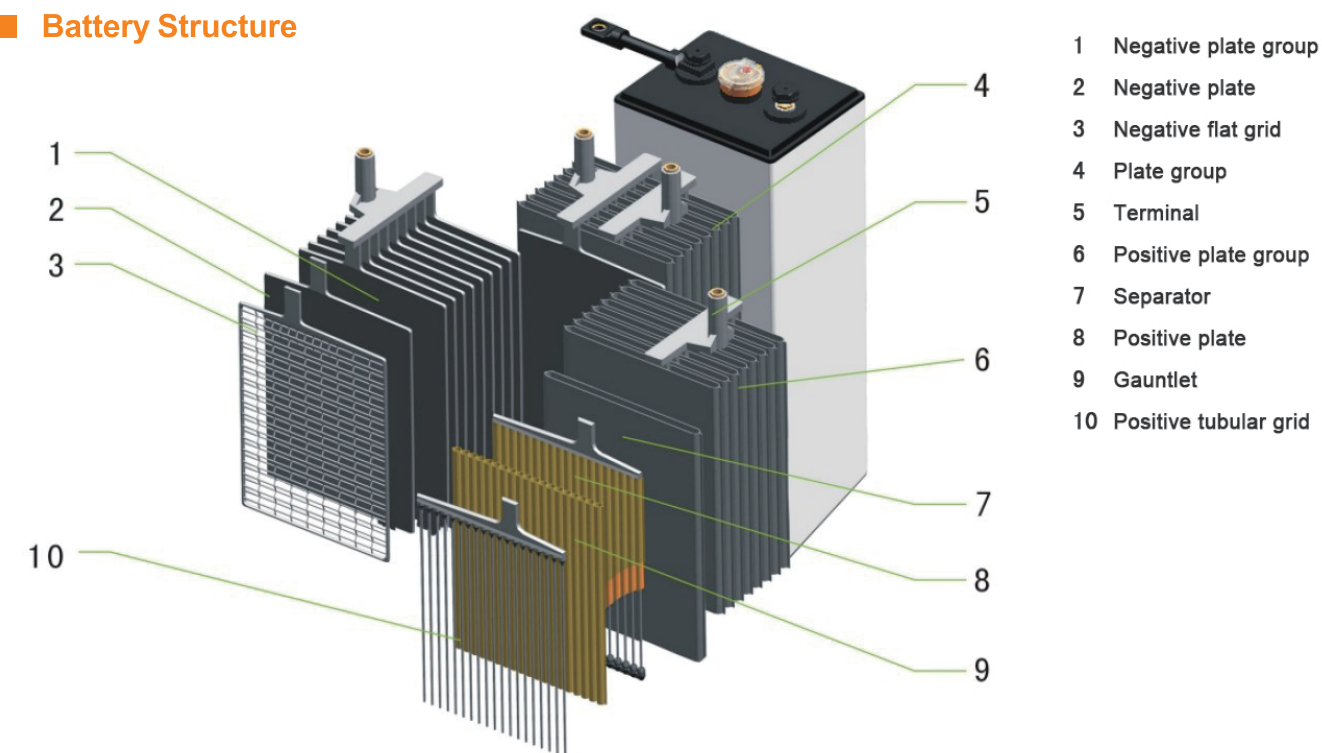
ISO14001 ISO9001 ISO45001

Main Applications

Traction lead acid batteries, as the DC drive power of forklift, traction vehicles, transportation vehicles, tramcars etc., have a wide application in airport, station, port, vegetable and fruit markets and warehouses and so on. Also traction batteries, which are designed to be DC power of non-pollution transportation equipments, are widely used by buses, gymnastic and recreation locations. Traction batteries are fully compliant to BS standard or DIN standard. It meets the dimensions of the standards DIN/EN 60254-2 and IEC 60254-2.



Battery Structure



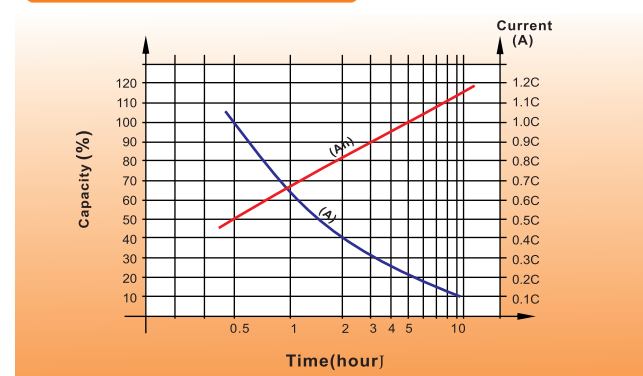


Performance Advantages

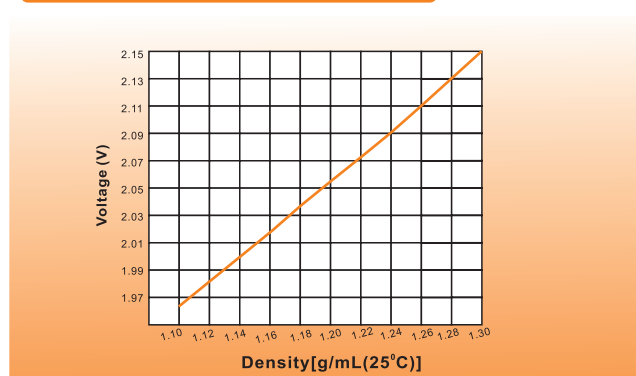
- Long service life
- Exceptional cyclic performance and deep discharge recoverability
- Reliable sealing structure without electrolyte leakage
- Against short circuit design, maximum prevent battery short circuit
- Automatic water refilling system and air circulation system (Optional)

Performance Characteristics

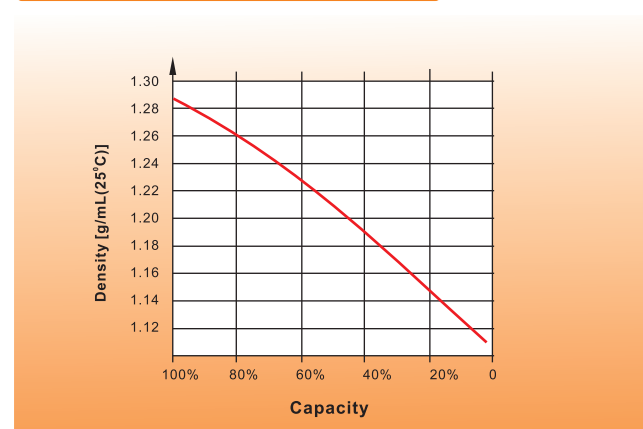
Discharge Characteristics



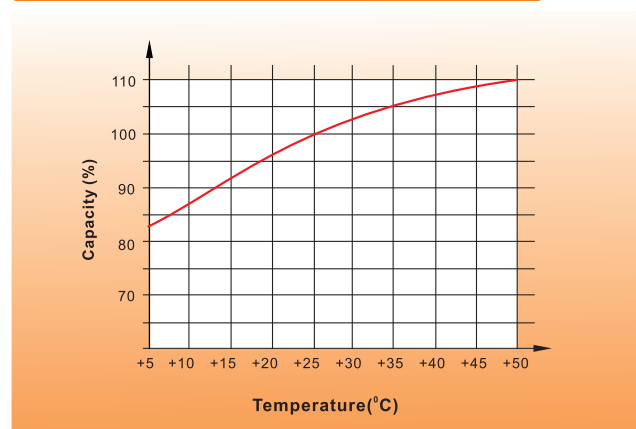
Density Effects in Relation to Voltage



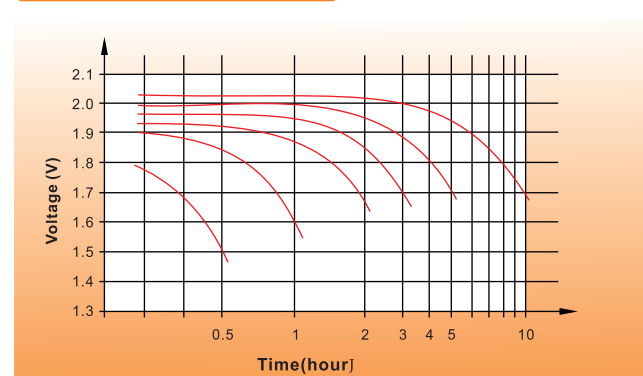
Density Effects in Relation to Capacity



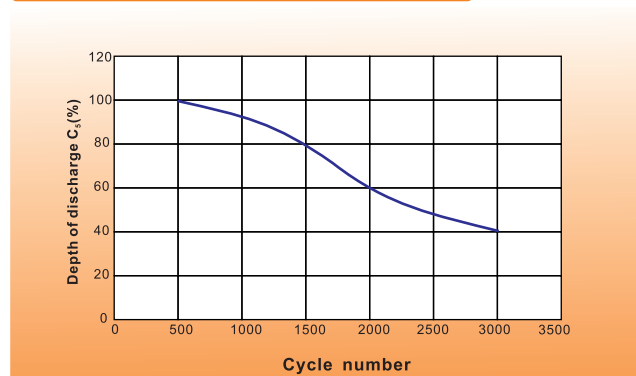
Temperature Effects in Relation to Battery Capacity



Discharge Characteristics



Cycle Life in Relation to Depth of Discharge



Specification

DIN Series Battery

Model	Rated Voltage (V)	Approx Dimension(mm)				Approx Weight kg	Discharge rate			
		L	W	H	TH		5hr, F.V=1.75V/cell		0.5hr, F.V=1.75V/cell	
							Current(A)	Capacity(Ah)	Current(A)	Capacity(Ah)
2PzS200	2	47	198	569	601	13.0	40	200	200	100
2PzS200C	2	47	198	569	601	12.6	40	200	200	100
3PzS210G	2	65	198	404	436	12.9	42	210	210	105
3PzS210	2	65	198	404	436	13.2	42	210	210	105
2PzS210	2	47	198	513	545	12.8	42	210	210	105
2PzS230	2	47	198	543	575	13.7	46	230	230	115
3PzS240G	2	65	198	469	501	14.2	48	240	240	120
3PzS240	2	65	198	469	501	14.8	48	240	240	120
2PzS250	2	47	198	574	606	14.4	50	250	250	125
3PzS270	2	65	198	469	501	15.8	54	270	270	135
4PzS280	2	83	198	404	436	17.1	56	280	280	140
3PzS300	2	65	198	569	601	18.5	60	300	300	150
4PzS320	2	83	198	404	436	17.8	64	320	320	160
3PzS345	2	65	198	543	575	19.6	69	345	345	173
4PzS360	2	83	198	469	501	20.5	72	360	360	180
3PzS375	2	65	198	574	606	20.5	75	375	375	188
5PzS400	2	101	198	404	436	21.8	80	400	400	200
4PzS400C	2	83	198	569	601	23.2	80	400	400	200
4PzS400	2	83	198	569	601	24.0	80	400	400	200
6PzS420	2	119	198	404	436	24.8	84	420	420	210
3PzS420	2	65	198	688	720	24.4	84	420	420	210
4PzS440	2	83	198	536	568	25.4	88	440	440	220
3PzS450	2	65	198	720	752	25.3	90	450	450	225
4PzS460	2	83	198	543	575	25.4	92	460	460	230
6PzS480	2	119	198	404	436	25.9	96	480	480	240
4PzS480H	2	83	198	569	601	26.3	96	480	480	240
4PzS480	2	83	198	643	675	27.8	96	480	480	240
5PzS500C	2	101	198	569	601	28.5	100	500	500	250
5PzS500	2	101	198	569	601	29.5	100	500	500	250
4PzS500	2	83	198	643	675	28.9	100	500	500	250
4PzS560	2	83	198	688	720	31.8	112	560	560	280
5PzS575	2	101	198	543	575	31.3	115	575	575	288
6PzS600	2	119	198	569	601	33.8	120	600	600	300
5PzS600	2	101	198	643	675	35.4	120	600	600	300
5PzS600H	2	101	198	569	601	32.3	120	600	600	300
4PzS600	2	83	198	720	752	32.8	120	600	600	300
9PzS630G	2	173	198	401	433	35.8	126	630	630	315
9PzS630	2	173	198	404	436	36.9	126	630	630	315
5PzS650	2	101	198	682	714	36.2	130	650	650	325
7PzS700	2	137	198	569	601	40.5	140	700	700	350
5PzS700	2	101	198	688	720	39.1	140	700	700	350
8PzS720	2	155	198	469	501	39.1	144	720	720	360
6PzS720	2	119	198	569	601	38.4	144	720	720	360
5PzS750	2	101	198	720	752	40.4	150	750	750	375
7PzS840	2	137	198	569	601	44.4	168	840	840	420
8PzS920	2	155	198	543	575	50.0	184	920	920	460
8PzS1240	2	155	198	720	752	63.7	248	1240	1240	620
10PzS1550	2	191	198	720	752	79.1	310	1550	1550	775



Traction Battery

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Traction Battery

DIN Specific Series Battery

Model	Rated Voltage (V)	Approx Dimention (mm)				Approx Weight Kg	Discharge rate			
							5hr,F.V=1.75V/cell		0.5hr,F.V=1.75V/cell	
		L	W	H	TH		Current(A)	Capacity(Ah)	Current(A)	Capacity(Ah)
2PzS200C	2	47	198	569	601	12.6	40	200	200	100
3PzS210G	2	65	198	404	436	12.9	42	210	210	105
2PzS230H	2	47	198	569	601	13.5	46	230	230	115
3PzS240G	2	65	198	469	501	14.2	48	240	240	120
4PzS400C	2	83	198	569	601	23.2	80	400	400	200
4PzS480H	2	83	198	569	601	26.3	96	480	480	240
5PzS500C	2	101	198	569	601	28.5	100	500	500	250
5PzS600H	2	101	198	569	601	32.3	120	600	600	300
9PzS630G	2	173	198	401	433	35.8	126	630	630	315



BS Series Battery

Model	Rated Voltage (V)	Approx Dimension(mm)				Approx Weight kg	Discharge rate			
							5hr, F.V=1.75V/cell		0.5hr, F.V=1.75V/cell	
		L	W	H	TH		Current(A)	Capacity(Ah)	Current(A)	Capacity(Ah)
2PzB120	2	45	158	401	433	7.9	24.0	120.0	120.0	24.0
2PzB140	2	45	158	456	488	9.1	28.0	140.0	140.0	28.0
3PzB150	2	61	158	402	434	10.2	30.0	150.0	150.0	30.0
2PzB160	2	45	158	554	586	10.7	32.0	160.0	160.0	32.0
3PzB165G	2	61	158	402	434	10.5	33.0	165.0	165.0	33.0
3PzB165	2	61	158	402	434	10.8	33.0	165.0	165.0	33.0
2PzB180	2	45	158	620	652	12.1	36.0	180.0	180.0	36.0
3PzB195G	2	61	158	457	489	12.0	39.0	195.0	195.0	39.0
3PzB195	2	61	158	457	489	12.4	39.0	195.0	195.0	39.0
4PzB200	2	77	158	385	417	12.8	40.0	200.0	200.0	40.0
3PzB210	2	61	158	487	519	12.6	42.0	210.0	210.0	42.0
3PzB210C	2	61	158	480	512	12.4	42.0	210.0	210.0	42.0
4PzB220G	2	77	158	402	434	13.4	44.0	220.0	220.0	44.0
4PzB220	2	77	158	402	434	13.8	44.0	220.0	220.0	44.0
3PzB240	2	61	158	554	586	15.0	48.0	240.0	240.0	48.0
4PzB260	2	77	158	457	489	16.0	52.0	260.0	260.0	52.0
5PzB275G	2	93	158	402	434	16.3	55.0	275.0	275.0	55.0
5PzB275	2	93	158	402	434	16.8	55.0	275.0	275.0	55.0
4PzB280G	2	77	158	495	527	16.3	56.0	280.0	280.0	56.0
5PzB280H	2	89	158	500	532	18.0	56.0	280.0	280.0	56.0

Model	Rated Voltage (V)	Approx Dimension(mm)				Approx Weight kg	Discharge rate			
							5hr, F.V=1.75V/cell		0.5hr, F.V=1.75V/cell	
		L	W	H	TH		Current(A)	Capacity(Ah)	Current(A)	Capacity(Ah)
3PzB300H	2	61	158	620	652	17.5	60.0	300.0	300.0	60.0
3PzB300C	2	61	158	629	661	17.6	60.0	300.0	300.0	60.0
3PzB300	2	61	158	690	722	18.4	60.0	300.0	300.0	60.0
6PzB300G	2	109	158	385	417	23.8	60.0	300.0	300.0	60.0
6PzB300	2	109	158	385	417	29.0	60.0	300.0	300.0	60.0
5PzB325G	2	89	158	457	489	34.1	65.0	325.0	325.0	65.0
5PzB325	2	89	158	457	489	39.6	65.0	325.0	325.0	65.0
5PzB350	2	93	158	495	527	19.9	70.0	350.0	350.0	70.0
7PzB350	2	125	158	385	417	21.1	70.0	350.0	350.0	70.0
4PzB360	2	77	158	554	586	19.9	72.0	360.0	360.0	72.0
8PzB384	2	141	158	380	412	21.9	76.8	384.0	384.0	76.8
7PzB385G	2	125	158	402	434	22.1	77.0	385.0	385.0	77.0
7PzB385	2	125	158	402	434	22.8	77.0	385.0	385.0	77.0
6PzB390G	2	109	158	457	489	22.3	78.0	390.0	390.0	78.0
6PzB390	2	109	158	457	489	23.0	78.0	390.0	390.0	78.0
4PzB400C	2	77	158	629	661	22.7	80.0	400.0	400.0	80.0
4PzB400	2	77	158	690	722	23.8	80.0	400.0	400.0	80.0
5PzB400	2	93	158	554	586	23.5	80.0	400.0	400.0	80.0
8PzB400G	2	141	158	385	417	23.0	80.0	400.0	400.0	80.0
8PzB400	2	141	158	385	417	23.9	80.0	400.0	400.0	80.0
6PzB420	2	109	158	495	527	23.6	84.0	420.0	420.0	84.0
9PzB432	2	157	158	380	412	24.9	86.4	432.0	432.0	86.4
8PzB440G	2	141	158	402	434	25.0	88.0	440.0	440.0	88.0
8PzB440	2	141	158	402	434	25.8	88.0	440.0	440.0	88.0
5PzB450	2	93	158	620	652	26.6	90.0	450.0	450.0	90.0
9PzB450G	2	157	158	385	417	25.6	90.0	450.0	450.0	90.0
9PzB450	2	157	158	385	417	26.6	90.0	450.0	450.0	90.0
10PzB480	2	173	158	346	378	27.6	96.0	480.0	480.0	96.0
6PzB480	2	109	158	554	586	27.8	96.0	480.0	480.0	96.0
8PzB480	2	141	158	426	458	27.1	96.0	480.0	480.0	96.0
7PzB490	2	125	158	495	527	27.1	98.0	490.0	490.0	98.0
10PzB500G	2	173	158	385	417	28.9	100.0	500.0	500.0	100.0
10PzB500	2	173	158	385	417	30.1	100.0	500.0	500.0	100.0
5PzB500C	2	93	158	629	661	27.6	100.0	500.0	500.0	100.0
5PzB500	2	93	158	690	722	29.0	100.0	500.0	500.0	100.0
8PzB520G	2	141	158	457	489	29.0	104.0	520.0	520.0	104.0
8PzB520	2	141	158	457	489	30.0	104.0	520.0	520.0	104.0
7PzB525	2	125	158	495	527	28.5	105.0	525.0	525.0	105.0
6PzB540	2	109	158	620	652	31.4	108.0	540.0	540.0	108.0
9PzB540	2	157	158	402	434	29.6	108.0	540.0	540.0	108.0
10PzB550G	2	173	158	402	434	30.8	110.0	550.0	550.0	110.0
10PzB550E	2	173	158	402	434	31.8	110.0	550.0	550.0	110.0
10PzB550	2	173	158	402	434	32.4	110.0	550.0	550.0	110.0
7PzB560	2	125	158	554	586	32.0	112.0	560.0	560.0	112.0
9PzB585	2	157	158	457	489	34.0	117.0	585.0	585.0	117.0
6PzB600	2	109	158	690	722	34.1	120.0	600.0	600.0	120.0
6PzB600C	2	109	158	629	661	32.5	120.0	600.0	600.0	120.0
8PzB600	2	141	158	495	527	32.3	120.0	600.0	600.0	120.0
7PzB630	2	125	158	620	652	36.2	126.0	630.0	630.0	126.0
10PzB650G	2	173	158	457	489	36.2	130.0	650.0	650.0	130.0
10PzB650	2	173	158	457	489	37.5	130.0	650.0	650.0	130.0
10PzB700	2	173	158	495	527	38.5	140.0	700.0	700.0	140.0
7PzB700C	2	125	158	629	661	37.6	140.0	700.0	700.0	140.0
7PzB700	2	125	158	690	722	39.6	140.0	700.0	700.0	140.0

BS Specific Series Battery

Model	Rated Voltage (V)	Approx Dimention (mm)				Approx Weight Kg	Discharge rate			
		L	W	H	TH		5hr,F.V=1.75V/cell		0.5hr,F.V=1.75V/cell	
							Current(A)	Capacity(Ah)	Current(A)	Capacity(Ah)
3PzB165G	2	61	158	402	434	10.5	33	165	165	82.5
3PzB195G	2	61	158	457	489	12.0	39	195	195	97.5
3PzB195F	2	61	158	487	519	12.5	39	195	195	97.5
3PzB210C	2	61	158	480	512	12.4	42	210	210	105
4PzB220G	2	77	158	402	434	13.4	44	220	220	110
5PzB275G	2	93	158	402	434	16.3	55	275	275	137.5
4PzB280G	2	77	158	495	527	16.3	56	280	280	140
5PzB280G	2	89	158	497	529	17.2	56	280	280	140
5PzB280H	2	89	158	500	532	18.0	56	280	280	140
3PzB300H	2	61	158	620	652	17.5	60	300	300	150
6PzB300G	2	109	158	385	417	17.7	60	300	300	150
5PzB325G	2	89	158	457	489	18.9	65	325	325	162.5
7PzB385G	2	125	158	402	434	22.1	77	385	385	192.5
6PzB390G	2	109	158	457	489	22.3	78	390	390	195
8PzB400G	2	141	158	385	417	23.0	80	400	400	200
8PzB400F	2	140.5	156.5	395	427	24.2	80	400	400	200
8PzB440G	2	141	158	402	434	25.0	88	440	440	220
9PzB450G	2	157	158	385	417	25.6	90	450	450	225
10PzB500G	2	173	158	385	417	28.9	100	500	500	250
8PzB520G	2	141	158	457	489	29.0	104	520	520	260
10PzB550G	2	173	158	402	434	30.8	110	550	550	275
10PzB550E	2	173	158	402	434	31.8	110	550	550	275
10PzB650G	2	173	158	457	489	36.2	130	650	650	325