

B.B. TECH CO., LTD.





Spur Motive Power batteries generated by B.B.

Superior dependability and cyclic life

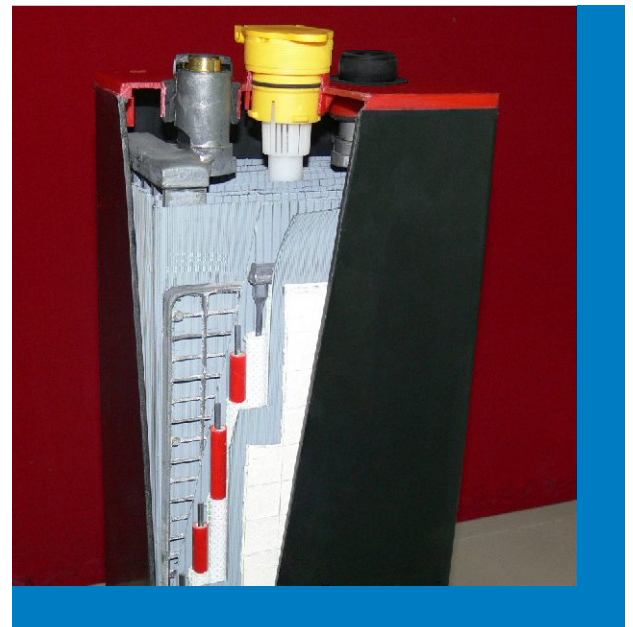
A series of Traction batteries supply needed reliability and long cyclic life for all industrial motive applications, serving from a low capacity loading to heavy duty applications.

Why "Spur"

The power energy cells provide high efficiency in discharge with advanced components in the construction of plates. The available cell box contains optimized positive and negative plates. Products designed and produced to minimize environmental affection. High-tech production equipments introduce a highly reliable and consistent battery cells. The combination of highly qualified design, material and production integrates the European harmonization of the DIN and BS range.

Cell construction

The robust tubular spines are die cast with antimonial lead and lead dioxide for outstanding deep cycling capability. Polyester gauntlet is considered for elasticity, strength and durability. Microporous type sleeve separators eliminate shorting. The negative Plates are flat pasted type. The cell box and lid are made from high impact, temperature resistant and are heat-seal to prevent electrolyte leakage.

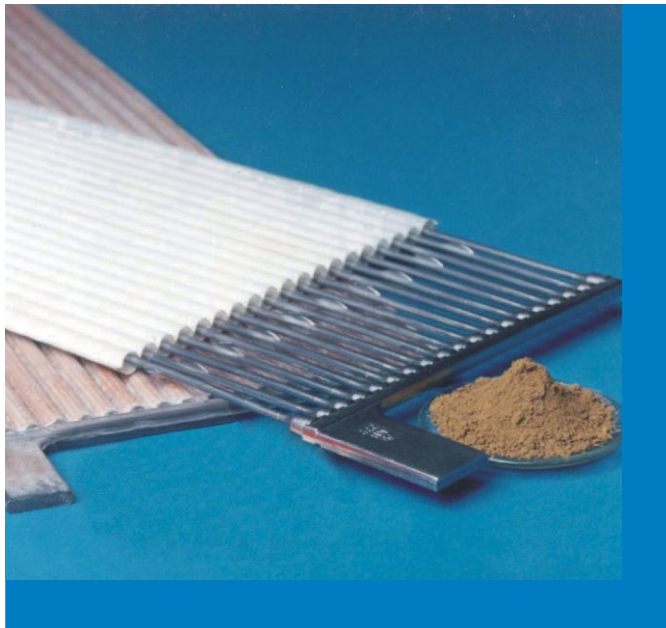


Terminals, Grommet and Lid

Equipped with special design and integrated without deviation ensures that no electrolyte leak from the cell.

Top plugs

Flip top plugs with electrolyte level markings are fitted. Allow adequate escape of charging gasses and provide a safe anti-surge baffle for the electrolyte during operation.



Water refill system



The aqua level water refill system makes it possible to top up all the cells from one central point through an integrated system. This automatic system ensures the optimum filling level and also allows the measurement of electrolyte specific gravity. The aqua level kit can be expertly fitted at the factory and on-site.

Electrolyte circulation

An optional electrolyte circulation system is available. Using air-flow principle, consists of a pipe system which creates a circulating air stream inside the cell box. This system prevents electrolyte Stratification and the battery charging is optimized.



Applications

BPzS & BPzB batteries are widely recognized as the superior stored electrical energy solution for material handling equipment, road vehicles, tow tractors and other electric vehicles with high energy/ deep cycle requirements.

Benefits

- Higher running time and battery availability giving increased productivity
- Optimized design benefit less alloy corrosion giving longer battery life
- Increased active material surface and utilization gives greater volumetric energy density
- Product manufactured with a plant approved to quality management standards ISO 9001. Product conforms to IEC 60254.

Product Range of Traction Batteries

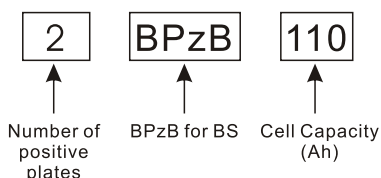
BS Type

Type 32 Ah					Type 42 Ah					Type 55 Ah				
Dimension (mm)		Weight in kg (± 5%)			Dimension (mm)		Weight in kg (± 5%)			Dimension (mm)		Weight in kg (± 5%)		
Length ±2 158		With electrolyte			Length ±2 158		With electrolyte			Length ±2 158		With electrolyte		
*Height (1) ±2 271					*Height (1) ±2 335					*Height (1) ±2 413				
*Height (2) ±2 259		Without electrolyte			*Height (2) ±2 323		Without electrolyte			*Height (2) ±2 401		Without electrolyte		
Ah(C5)					Ah(C5)					Ah(C5)				
Width (mm)		Width (mm)		Width (mm)		Width (mm)		Width (mm)		Width (mm)		Width (mm)		
2BPzB64	64	46	4.6	3.5	2BPzB84	84	46	6.1	4.7	2BPzB110	110	46	7.3	5.5
3BPzB96	96	62	6.5	5.0	3BPzB126	126	62	8.4	6.4	3BPzB165	165	62	10.3	7.7
4BPzB128	128	78	8.1	6.1	4BPzB168	168	78	10.8	8.2	4BPzB220	220	78	13.3	10.0
5BPzB160	160	94	10.2	7.8	5BPzB210	210	94	13.1	9.9	5BPzB275	275	94	16.2	12.2
6BPzB192	192	110	12.0	9.1	6BPzB252	252	110	15.5	11.8	6BPzB330	330	110	19.2	16.6
7BPzB224	224	126	13.8	10.5	7BPzB294	294	126	17.8	13.5	7BPzB385	385	126	22.1	18.9
8BPzB256	256	142	15.7	12.0	8BPzB336	336	142	20.2	15.3	8BPzB440	440	142	25.1	21.2
9BPzB288	288	158	17.6	13.4	9BPzB378	378	158	22.6	17.1	9BPzB495	495	158	28.1	23.6
10BPzB320	320	174	19.6	15.0	10BPzB420	420	174	25.4	19.4	10BPzB550	550	174	31.3	23.6
11BPzB352	352	190	21.5	16.4	11BPzB462	462	190	27.8	21.2	11BPzB605	605	190	34.2	25.8
12BPzB384	384	206	23.8	18.3	12BPzB504	504	206	30.1	22.9	12BPzB660	660	206	37.2	28.1

Type 65 Ah					Type 75 Ah					Type 80 Ah				
Dimension (mm)		Weight in kg (± 5%)			Dimension (mm)		Weight in kg (± 5%)			Dimension (mm)		Weight in kg (± 5%)		
Length ±2 158		With electrolyte			Length ±2 158		With electrolyte			Length ±2 158		With electrolyte		
*Height (1) ±2 465					*Height (1) ±2 526					*Height (1) ±2 514				
*Height (2) ±2 453		Without electrolyte			*Height (2) ±2 514		Without electrolyte			*Height (2) ±2 514		Without electrolyte		
Ah(C5)					Ah(C5)					Ah(C5)				
Width (mm)		Width (mm)		Width (mm)		Width (mm)		Width (mm)		Width (mm)		Width (mm)		
2BPzB130	130	46	8.4	6.3	2BPzB150	150	46	9.6	7.2	2BPzB160	160	46	9.9	7.4
3BPzB195	195	62	11.7	8.8	3BPzB225	225	62	13.4	10.0	3BPzB240	240	62	14.0	10.6
4BPzB260	260	78	15.1	11.4	4BPzB300	300	78	17.3	13.0	4BPzB320	320	78	18.1	13.7
5BPzB325	325	94	18.5	14.0	5BPzB375	375	94	21.2	16.0	5BPzB400	400	94	22.1	16.7
6BPzB390	390	110	21.8	16.4	6BPzB450	450	110	25.0	18.8	6BPzB480	480	110	26.1	19.7
7BPzB455	455	126	25.2	19.0	7BPzB525	525	126	28.9	21.7	7BPzB560	560	126	30.2	22.8
8BPzB520	520	142	28.6	21.6	8BPzB600	600	142	32.8	24.6	8BPzB640	640	142	34.3	26.0
9BPzB585	585	158	32.0	24.1	9BPzB675	675	158	36.7	27.6	9BPzB720	720	158	38.4	29.1
10BPzB650	650	174	35.6	26.9	10BPzB750	750	174	40.8	30.7	10BPzB800	800	174	42.7	32.4
11BPzB715	715	190	39.0	29.5	11BPzB825	825	190	44.7	33.7	11BPzB880	880	190	46.7	35.4
12BPzB780	780	206	42.3	32.0	12BPzB900	900	206	48.5	36.5	12BPzB960	960	206	50.8	38.5

Type 86 Ah					Type 100 Ah					Type 108 Ah				
Dimension (mm)		Weight in kg (± 5%)			Dimension (mm)		Weight in kg (± 5%)			Dimension (mm)		Weight in kg (± 5%)		
Length ±2 158		With electrolyte			Length ±2 158		With electrolyte			Length ±2 158		With electrolyte		
*Height (1) ±2 579					*Height (1) ±2 612					*Height (1) ±2 686				
*Height (2) ±2 567		Without electrolyte			*Height (2) ±2 600		Without electrolyte			*Height (2) ±2 686		Without electrolyte		
Ah(C5)					Ah(C5)					Ah(C5)				
Width (mm)		Width (mm)		Width (mm)		Width (mm)		Width (mm)		Width (mm)		Width (mm)		
2BPzB172	172	46	10.5	7.8	2BPzB200	200	46	11.6	8.7	2BPzB216	216	46	13.3	10.0
3BPzB258	258	62	14.7	10.9	3BPzB300	300	62	16.3	12.3	3BPzB324	324	62	18.8	14.2
4BPzB344	344	78	19.0	14.1	4BPzB400	400	78	21.0	15.8	4BPzB432	432	78	24.2	18.2
5BPzB430	430	94	23.2	17.2	5BPzB500	500	94	25.7	19.3	5BPzB540	540	94	29.7	22.4
6BPzB516	516	110	27.4	20.3	6BPzB600	600	110	30.4	22.9	6BPzB648	648	110	35.1	26.4
7BPzB602	602	126	31.6	23.4	7BPzB700	700	126	35.2	26.5	7BPzB756	756	126	40.5	30.5
8BPzB688	688	142	35.9	26.6	8BPzB800	800	142	40.2	30.4	8BPzB864	864	142	46.3	35.0
9BPzB774	774	158	40.4	30.0	9BPzB900	900	158	45.0	34.0	9BPzB972	972	158	51.8	39.1
10BPzB860	860	174	44.7	32.3	10BPzB1000	1000	174	49.7	37.6	10BPzB1080	1080	174	57.2	43.2
11BPzB946	946	190	48.9	36.4	11BPzB1100	1100	190	54.4	41.1	11BPzB1188	1188	190	62.6	47.3
12BPzB1032	1032	206	53.1	39.5	12BPzB1200	1200	206	59.1	44.6	12BPzB1296	1296	206	68.0	51.3

Nomenclature



*Height (1) : The height over Pillar

*Height (2) : The height over Lid Required after Sealing

Product Range of Traction Batteries

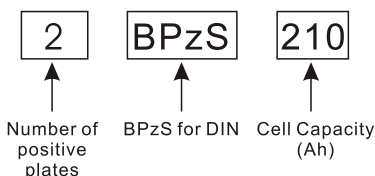
DIN Type

Type 50 Ah					Type 60 Ah					Type 80 Ah					
Dimension (mm)		Weight in kg (± 5%)			Dimension (mm)		Weight in kg (± 5%)			Dimension (mm)		Weight in kg (± 5%)			
Length ±2 198.5	Height ±2 300	Ah(C5)	Width (mm)	With electrolyte	Without electrolyte	Length ±2 198.5	Ah(C5)	Width (mm)	With electrolyte	Without electrolyte	Length ±2 198.5	Ah(C5)	Width (mm)	With electrolyte	Without electrolyte
						*Height (1) ±2 346					*Height (2) ±2 334.5				
4BPzS200	200	83	12.3	10.0	2BPzS120	120	47	8.3	7.0	2BPzS160	160	47	10.0	8.0	
5BPzS250	250	101	16.0	13.0	3BPzS180	180	65	11.8	9.7	3BPzS240	240	65	14.3	11.4	
					4BPzS240	240	83	15.4	12.6	4BPzS320	320	83	18.4	14.6	
					5BPzS300	300	101	18.8	15.2	5BPzS400	400	101	22.9	18.2	
					6BPzS360	360	119	22.2	18.3	6BPzS480	480	119	27.0	21.5	
					7BPzS420	420	137	25.7	21.1	7BPzS560	560	137	31.3	24.9	
					8BPzS480	480	155	29.3	23.4	8BPzS640	640	155	35.5	28.3	
					9BPzS540	540	173	32.1	25.5	9BPzS720	720	173	39.3	31.1	
					10BPzS600	600	191	36.6	29.1	10BPzS800	800	191	43.6	34.6	

Type 90 Ah					Type 105 Ah					Type 115 Ah					
Dimension (mm)		Weight in kg (± 5%)			Dimension (mm)		Weight in kg (± 5%)			Dimension (mm)		Weight in kg (± 5%)			
Length ±2 198.5	*Height (1) ±2 475	Ah(C5)	Width (mm)	With electrolyte	Without electrolyte	Length ±2 198.5	Ah(C5)	Width (mm)	With electrolyte	Without electrolyte	Length ±2 198.5	Ah(C5)	Width (mm)	With electrolyte	Without electrolyte
	*Height (2) ±2 463.5					*Height (1) ±2 524					*Height (2) ±2 512.5				
2BPzS180	180	47	12.0	9.1	2BPzS210	210	47	12.8	9.4	2BPzS230	230	47	14.3	11.5	
3BPzS270	270	65	17.0	13.1	3BPzS315	315	65	18.5	14.1	3BPzS345	345	65	20.3	16.7	
4BPzS360	360	83	21.6	16.8	4BPzS420	420	83	23.9	18.5	4BPzS460	460	83	26.0	20.9	
5BPzS450	450	101	26.3	20.5	5BPzS525	525	101	29.4	22.9	5BPzS575	575	101	31.8	25.6	
6BPzS540	540	119	31.1	24.4	6BPzS630	630	119	34.9	27.4	6BPzS690	690	119	37.9	30.9	
7BPzS630	630	137	36.1	28.3	7BPzS735	735	137	40.6	32.1	7BPzS805	805	137	43.8	36.0	
8BPzS720	720	155	41.0	32.2	8BPzS840	840	155	46.1	36.5	8BPzS920	920	155	49.8	40.5	
9BPzS810	810	173	45.4	36.3	9BPzS945	945	173	51.7	41.1	9BPzS1035	1035	173	56.7	46.2	
10BPzS900	900	191	50.3	39.6	10BPzS1050	1050	191	57.2	45.5	10BPzS1150	1150	191	61.5	50.0	

Type 125 Ah					Type 140 Ah					Type 155 Ah					
Dimension (mm)		Weight in kg (± 5%)			Dimension (mm)		Weight in kg (± 5%)			Dimension (mm)		Weight in kg (± 5%)			
Length ±2 198.5	*Height (1) ±2 580	Ah(C5)	Width (mm)	With electrolyte	Without electrolyte	Length ±2 198.5	Ah(C5)	Width (mm)	With electrolyte	Without electrolyte	Length ±2 198.5	Ah(C5)	Width (mm)	With electrolyte	Without electrolyte
	*Height (2) ±2 568.5					*Height (1) ±2 696					*Height (2) ±2 684.5				
2BPzS250	250	47	14.7	12.0	2BPzS280	280	47	17.2	13.7	2BPzS310	310	47	18.0	14.8	
3BPzS375	375	65	20.8	16.6	3BPzS420	420	65	25.4	20.5	3BPzS465	465	65	25.8	20.8	
4BPzS500	500	83	26.8	21.7	4BPzS560	560	83	32.9	25.9	4BPzS620	620	83	33.6	26.8	
5BPzS625	625	101	33.0	27.4	5BPzS700	700	101	39.9	32.9	5BPzS775	775	101	41.0	33.0	
6BPzS750	750	119	39.2	31.3	6BPzS840	840	119	47.2	37.9	6BPzS930	930	119	49.1	40.0	
7BPzS875	875	137	45.5	36.4	7BPzS980	980	137	54.8	43.3	7BPzS1085	1085	137	56.9	46.7	
8BPzS1000	1000	155	51.8	41.6	8BPzS1120	1120	155	62.3	49.9	8BPzS1240	1240	155	64.8	54.5	
9BPzS1125	1125	173	57.9	48.6	9BPzS1260	1260	173	69.0	56.4	9BPzS1395	1395	173	72.5	57.9	
10BPzS1250	1250	191	64.0	52.7	10BPzS1400	1400	191	78.1	62.1	10BPzS1550	1550	191	80.3	63.8	

Nomenclature

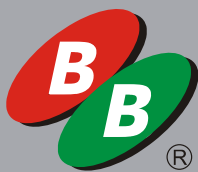


*Height (1) : The height over Pillar

*Height (2) : The height over Lid Required after Sealing



Printed in September.2010. 4/A



BEST & BEST

Web Site: <http://www.bb-battery.com>



USA:
B&B BATTERY(USA) INC.
6415 RANDOLPH ST.
COMMERCE, CA, 90040 U.S.A.
TEL: 1-323-278-1900, 1-800-278-8599
FAX: 1-323-278-1268
E-Mail: sales@bb-battery.com



EUROPE:
B&B BATTERY(EUROPE) B.V.
SUITE 8, HAAKSBERGWEG 33, 1101
BP AMSTERDAM, THE NETHERLANDS
TEL: 31-30-3200190
MOBILE: 886-933896989
E-Mail: gary@bb-battery.com

CHINA FACTORY:

B.B. TECHNOLOGY CO., LTD.
NO. 1 DONGSI ROAD, CHANGSHA NATIONAL
ECONOMIC & TECHNICAL DEVELOPMENT ZONE,
CHANGSHA, HUNAN PROVINCE PRC.
TEL: 86-731-82955888
FAX: 86-731-82955111
E-Mail: maggy@bb-battery.com

HONG KONG:

B&B BATTERY (Hong Kong) Co.
TEL: 852-2311-4918
FAX: 852-2739-1182
E-Mail: bbhk@hkstar.com

JAPAN:

B&B BATTERY(JAPAN) CO., LTD.
1375-11 NARAHARA-MACHI, HACHIOJI,
TOKYO 193-0803, JAPAN.
TEL: 81-426-25-6375
FAX: 81-426-25-6375
E-Mail: miyata@bb-battery.com

TAIWAN:

B.B. BATTERY(TAIWAN) CO., LTD.
TEL: 886-6-502-5150
FAX: 886-6-589-8087
E-Mail: kevin@bb-battery.com