



## **Long Life**

Flooded Motive Batteries - DIN, BS & BCI

**THE NEW GENERATION POWER SOURCE**

## LEAD ACID - TRACTION BATTERY

GENEX brings you the latest technology based Lead Acid Traction Batteries to meet the ever changing demands of the Global Motive Power market.

Following are the Specialities of the Battery cells we offer.

### Long Life Technology

#### Positive plate

High energy density tubular positive plate

#### Separator

Microporous polyethylene separator design delivers increased acid volumes

#### Negative plate

Industry leading negative plate design



#### Gauntlet

Non-woven, high-capacity polyester gauntlet

#### Sealing washer

Thermoplastic elastomer (TPE) sealing washer utilised for leak free sealing of the terminal

#### Base prism

Rigid polypropylene prism to collect dislodged active material preventing bottom edge shorts

### Features of Long Life Batteries...

Lead-acid vented batteries with liquid electrolyte

Capacity for DIN product range: 100 – 1550Ah

Capacity for BS product range: 84 – 1296Ah

Capacity for BCI product range: 180 – 2240Ah

Non-woven tubular sleeving helps to increase productivity while maximising performance

Modern tubular design maximises the active lead material and delivers optimised energy

The latest separator design delivers increased acid volumes and increases acid circulation

Fully insulated terminals

### Applications...

Forklift Trucks

Electric Vehicles

Cleaning Machines

Lifting Platforms

Road Vehicles / Tow Tractors

& other electric vehicles with high energy / deep cycle requirements

## DIN Cells (Standard) - Weight, Capacity and Dimension Charts

### Bolted 198mm wide

50 Ah Plate H1=260 mm H2=290 mm			
Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzS-ET100	100	6.0	47
3 PzS-ET150	150	8.7	65
4 PzS-ET200	200	11.1	83
5 PzS-ET250	250	13.9	101
6 PzS-ET300	300	16.4	119
7 PzS-ET350	350	18.7	137
8 PzS-ET400	400	21.1	155
9 PzS-ET450	450	23.9	173
10 PzS-ET500	500	26.1	191

60 Ah Plate H1=333.5 mm H2=363.5 mm			
Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzS-ET120	120	8.3	47
3 PzS-ET180	180	11.5	65
4 PzS-ET240	240	15.0	83
5 PzS-ET300	300	18.5	101
6 PzS-ET360	360	22.3	119
7 PzS-ET420	420	24.8	137
8 PzS-ET480	480	28.7	155
9 PzS-ET540	540	31.9	173
10 PzS-ET600	600	35.1	191

80 Ah Plate H1=396.5 mm H2=426.5 mm			
Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzS-ET160	160	9.7	47
3 PzS-ET240	240	14.0	65
4 PzS-ET320	320	18.2	83
5 PzS-ET400	400	22.3	101
6 PzS-ET480	480	26.3	119
7 PzS-ET560	560	30.5	137
8 PzS-ET640	640	34.9	155
9 PzS-ET720	720	38.9	173
10 PzS-ET800	800	43.0	191

90 Ah Plate H1=463.5 mm H2=493.5 mm			
Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzS-ET180	180	11.1	47
3 PzS-ET270	270	15.9	65
4 PzS-ET360	360	20.5	83
5 PzS-ET450	450	25.6	101
6 PzS-ET540	540	30.1	119
7 PzS-ET630	630	34.5	137
8 PzS-ET720	720	39.0	155
9 PzS-ET810	810	43.8	173
10 PzS-ET900	900	48.4	191

105 Ah Plate H1=511.5 mm H2=541.5 mm			
Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzS-ET210	210	12.8	47
3 PzS-ET315	315	18.1	65
4 PzS-ET420	420	23.5	83
5 PzS-ET525	525	28.5	101
6 PzS-ET630	630	34.1	119
7 PzS-ET735	735	39.4	137
8 PzS-ET840	840	44.8	155
9 PzS-ET945	945	49.8	173
10 PzS-ET1050	1050	55.1	191

115 Ah Plate H1=542.5 mm H2=572.5 mm			
Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzS-ET230	230	13.3	47
3 PzS-ET345	345	18.7	65
4 PzS-ET460	460	25.1	83
5 PzS-ET575	575	30.2	101
6 PzS-ET690	690	35.4	119
7 PzS-ET805	805	41.3	137
8 PzS-ET920	920	47.0	155
9 PzS-ET1035	1035	52.3	173
10 PzS-ET1150	1150	58.2	191

125 Ah Plate H1=569 mm H2=599 mm			
Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzS-ET250	250	14.8	47
3 PzS-ET375	375	20.4	65
4 PzS-ET500	500	26.4	83
5 PzS-ET625	625	32.7	101
6 PzS-ET750	750	39.1	119
7 PzS-ET875	875	43.6	137
8 PzS-ET1000	1000	51.4	155
9 PzS-ET1125	1125	57.1	173
10 PzS-ET1250	1250	63.3	191

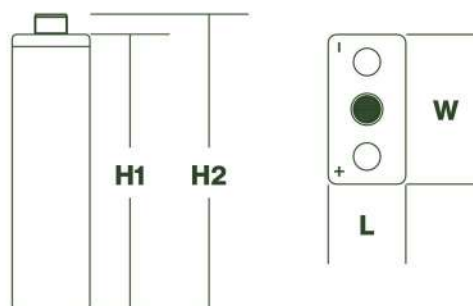
140 Ah Plate H1=683.5 mm H2=713.5 mm			
Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzS-ET280	280	16.0	47
3 PzS-ET420	420	23.0	65
4 PzS-ET560	560	30.1	83
5 PzS-ET700	700	37.0	101
6 PzS-ET840	840	44.7	119
7 PzS-ET980	980	50.7	137
8 PzS-ET1120	1120	58.1	155
9 PzS-ET1260	1260	64.7	173
10 PzS-ET1400	1400	71.9	191

155 Ah Plate H1=713.5 mm H2=743.5 mm			
Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzS-ET310	310	17.5	47
3 PzS-ET465	465	25.5	65
4 PzS-ET620	620	33.8	83
5 PzS-ET775	775	39.6	101
6 PzS-ET930	930	48.0	119
7 PzS-ET1085	1085	55.6	137
8 PzS-ET1240	1240	63.0	155
9 PzS-ET1395	1395	70.2	173
10 PzS-ET1550	1550	78.3	191

(Applicable for DIN & BS)

**± 5% weight tolerance**  
**H1: Height over lid**  
**H2: Overall height including connector and bolt**  
**Torque: 23Nm**

Not to scale



## BS Cells (Standard) - Weight, Capacity and Dimension Charts

### Bolted 158mm wide

42 Ah Plate H1 = 325 mm H2 = 355mm				55 Ah Plate H1 = 402 mm H2 = 432 mm				65 Ah Plate H1 = 454 mm H2 = 484 mm			
Cell type	Ah (C5)	Weight (kg)	Length (mm)	Cell type	Ah (C5)	Weight (kg)	Length (mm)	Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzB-ET 84	84	6.1	46	2 PzB-ET 110	110	7.5	46	2 PzB-ET 130	130	8.3	46
3 PzB-ET 126	126	8.4	62	3 PzB-ET 165	165	10.3	62	3 PzB-ET 195	195	11.9	62
4 PzB-ET 168	168	10.7	78	4 PzB-ET 220	220	13.2	78	4 PzB-ET 260	260	15.1	78
5 PzB-ET 210	210	12.8	94	5 PzB-ET 275	275	16.3	94	5 PzB-ET 325	325	18.5	94
6 PzB-ET 252	252	15.3	110	6 PzB-ET 330	330	19.3	110	6 PzB-ET 390	390	21.8	110
7 PzB-ET 294	294	17.7	126	7 PzB-ET 385	385	21.7	126	7 PzB-ET 455	455	25.3	126
8 PzB-ET 336	336	20.0	142	8 PzB-ET 440	440	24.9	142	8 PzB-ET 520	520	28.2	142
9 PzB-ET 378	378	22.4	158	9 PzB-ET 495	495	28.3	158	9 PzB-ET 585	585	32.0	158
10 PzB-ET 420	420	24.8	174	10 PzB-ET 550	550	30.5	174	10 PzB-ET 650	650	35.6	174
11 PzB-ET 462	462	27.1	190								
12 PzB-ET 504	504	29.4	206								

75 Ah Plate H1 = 515 mm H2 = 545 mm				80 Ah Plate H1 = 515 mm H2 = 545 mm				86 Ah Plate H1 = 568 mm H2 = 598 mm			
Cell type	Ah (C5)	Weight (kg)	Length (mm)	Cell type	Ah (C5)	Weight (kg)	Length (mm)	Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzB-ET 150	150	9.6	46	2 PzB-ET 160	160	9.8	46	2 PzB-ET 172	172	10.8	46
3 PzB-ET 225	225	13.1	62	3 PzB-ET 240	240	13.7	62	3 PzB-ET 258	258	14.9	62
4 PzB-ET 300	300	17.2	78	4 PzB-ET 320	320	17.6	78	4 PzB-ET 344	344	19.3	78
5 PzB-ET 375	375	21.1	94	5 PzB-ET 400	400	21.3	94	5 PzB-ET 430	430	23.6	94
6 PzB-ET 450	450	24.9	110	6 PzB-ET 480	480	25.5	110	6 PzB-ET 516	516	28.0	110
7 PzB-ET 525	525	28.6	126	7 PzB-ET 560	560	29.3	126	7 PzB-ET 602	602	31.9	126
8 PzB-ET 600	600	32.8	142	8 PzB-ET 640	640	33.4	142	8 PzB-ET 688	688	36.3	142
9 PzB-ET 675	675	36.2	158	9 PzB-ET 720	720	37.3	158	9 PzB-ET 774	774	40.6	158
10 PzB-ET 750	750	40.2	174	10 PzB-ET 800	800	41.5	174	10 PzB-ET 860	860	45.1	174
11 PzB-ET 825	825	43.5	190								
12 PzB-ET 900	900	48.3	206								

100 Ah Plate H1 = 600.5 mm H2 = 630.5 mm				108 Ah Plate H1 = 687 mm H2 = 717 mm			
Cell type	Ah (C5)	Weight (kg)	Length (mm)	Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzB-ET 200	200	11.4	46	2 PzB-ET 216	216	13.0	46
3 PzB-ET 300	300	15.9	62	3 PzB-ET 324	324	18.1	62
4 PzB-ET 400	400	20.7	78	4 PzB-ET 432	432	23.2	78
5 PzB-ET 500	500	25.3	94	5 PzB-ET 540	540	28.2	94
6 PzB-ET 600	600	29.6	110	6 PzB-ET 648	648	33.5	110
7 PzB-ET 700	700	34.4	126	7 PzB-ET 756	756	38.9	126
8 PzB-ET 800	800	39.3	142	8 PzB-ET 864	864	44.6	142
9 PzB-ET 900	900	43.5	158	9 PzB-ET 972	972	49.5	158
10 PzB-ET 1000	1000	48.7	174	10 PzB-ET 1080	1080	54.8	174
11 PzB-ET 1100	1100	53.2	190	11 PzB-ET 1188	1188	60.1	190
12 PzB-ET 1200	1200	57.5	206	12 PzB-ET 1296	1296	65.3	206



## BCI Cells (Standard) - Weight, Capacity and Dimension Charts

### Bolted 158mm / 6.2in wide

BCI-95		H1 = 523mm / 20.6in H2 = 551mm / 21.7in			
Cell type	Ah (C6)	Weight (kg)	Weight (lb)	Length (in)	Length (mm)
BCI-95-5-ST	190	13.4	29.5	2	51
BCI-95-7-ST	285	18.3	40.3	2.75	70
BCI-95-9-ST	380	23.3	51.4	3.5	89
BCI-95-11-ST	475	28.3	62.4	4.25	108
BCI-95-13-ST	570	33.3	73.4	5	127
BCI-95-15-ST	665	38.4	84.7	5.75	146
BCI-95-17-ST	760	44.3	97.7	6.5	165
BCI-95-19-ST	855	49.3	108.7	7.25	184
BCI-95-21-ST	950	54.3	119.7	8	203
BCI-95-23-ST	1045	59.3	130.7	8.75	222
BCI-95-25-ST	1140	64.3	141.8	9.5	241
BCI-95-27-ST	1235	69.4	153.0	10.25	260
BCI-95-29-ST	1330	75.0	165.3	11	279
BCI-95-31-ST	1425	80.0	176.4	11.75	298
BCI-95-33-ST	1520	85.0	187.4	12.5	317

BCI-110		H1 = 599mm / 23.6in H2 = 627mm / 24.7in			
Cell type	Ah (C6)	Weight (kg)	Weight (lb)	Length (in)	Length (mm)
BCI-110-5-ST	220	14.9	32.8	2	51
BCI-110-7-ST	330	20.3	44.8	2.75	70
BCI-110-9-ST	440	25.7	56.7	3.5	89
BCI-110-11-ST	550	31.1	68.6	4.25	108
BCI-110-13-ST	660	36.6	80.7	5	127
BCI-110-15-ST	770	42.2	93.0	5.75	146
BCI-110-17-ST	880	48.9	107.8	6.5	165
BCI-110-19-ST	990	54.4	119.9	7.25	184
BCI-110-21-ST	1100	59.8	131.8	8	203
BCI-110-23-ST	1210	65.3	144.0	8.75	222
BCI-110-25-ST	1320	70.8	156.1	9.5	241
BCI-110-27-ST	1430	76.3	168.2	10.25	260
BCI-110-29-ST	1540	82.7	182.3	11	279
BCI-110-31-ST	1650	88.2	194.4	11.75	298
BCI-110-33-ST	1760	93.6	206.4	12.5	317

BCI-135		H1 = 720mm / 28.3in H2 = 748mm / 29.4in			
Cell type	Ah (C6)	Weight (kg)	Weight (lb)	Length (in)	Length (mm)
BCI-135-5-ST	270	18.0	39.7	2	51
BCI-135-7-ST	405	24.7	54.5	2.75	70
BCI-135-9-ST	540	31.4	69.2	3.5	89
BCI-135-11-ST	675	38.2	84.2	4.25	108
BCI-135-13-ST	810	44.9	99.0	5	127
BCI-135-15-ST	945	51.9	114.4	5.75	146
BCI-135-17-ST	1080	59.8	131.8	6.5	165
BCI-135-19-ST	1215	66.6	146.8	7.25	184
BCI-135-21-ST	1350	73.4	161.8	8	203
BCI-135-23-ST	1485	80.1	176.6	8.75	222
BCI-135-25-ST	1620	86.9	191.6	9.5	241
BCI-135-27-ST	1755	93.7	206.6	10.25	260
BCI-135-29-ST	1890	101.5	223.8	11	279
BCI-135-31-ST	2025	108.3	238.8	11.75	298
BCI-135-33-ST	2160	115.1	253.8	12.5	317

## BCI Cells (Enhanced Capacity) - Weight, Capacity and Dimension Charts

BCI-105		H1 = 523mm / 20.6in H2 = 551mm / 21.7in			
Cell type	Ah (C6)	Weight (kg)	Weight (lb)	Length (in)	Length (mm)
BCI-105-5-EC	210	13.1	28.9	2	51
BCI-105-7-EC	315	18.2	40.1	2.75	70
BCI-105-9-EC	420	23.3	51.4	3.5	89
BCI-105-11-EC	525	28.5	62.8	4.25	108
BCI-105-13-EC	630	33.6	74.1	5	127
BCI-105-15-EC	735	38.9	85.8	5.75	146
BCI-105-17-EC	840	44.6	98.3	6.5	165
BCI-105-19-EC	945	49.8	109.8	7.25	184
BCI-105-21-EC	1050	55.0	121.3	8	203
BCI-105-23-EC	1155	60.2	132.7	8.75	222
BCI-105-25-EC	1260	65.4	144.2	9.5	241
BCI-105-27-EC	1365	70.6	155.6	10.25	260
BCI-105-29-EC	1470	76.2	168.0	11	279
BCI-105-31-EC	1575	81.3	179.2	11.75	298
BCI-105-33-EC	1680	86.5	190.7	12.5	317

BCI-150		H1 = 720mm / 28.3in H2 = 748mm / 29.4in			
Cell type	Ah (C6)	Weight (kg)	Weight (lb)	Length (in)	Length (mm)
BCI-150-5-EC	300	18.0	39.7	2	51
BCI-150-7-EC	450	25.1	55.3	2.75	70
BCI-150-9-EC	600	32.2	71.0	3.5	89
BCI-150-11-EC	750	39.3	86.6	4.25	108
BCI-150-13-EC	900	46.4	102.3	5	127
BCI-150-15-EC	1050	53.7	118.4	5.75	146
BCI-150-17-EC	1200	61.3	135.1	6.5	165
BCI-150-19-EC	1350	68.5	151.0	7.25	184
BCI-150-21-EC	1500	75.6	166.7	8	203
BCI-150-23-EC	1650	82.8	182.5	8.75	222
BCI-150-25-EC	1800	90.0	198.4	9.5	241
BCI-150-27-EC	1950	97.1	214.1	10.25	260
BCI-150-29-EC	2100	104.7	230.8	11	279
BCI-150-31-EC	2250	111.9	246.7	11.75	298
BCI-150-33-EC	2400	119.1	262.6	12.5	317

**± 5% weight tolerance**  
**W: 158mm (6.2 inches)**  
**H1: Height over lid**  
**H2: Overall height including connector and bolt**  
**Torque: 23 Nm**

Not to scale

