MOTIVE POWER

Eternity TECHNOLOGIES



Low Maintenance

Flooded Motive Batteries - DIN, BS & BCI

THINK GREEN THINK ETERNITY

Low Maintenance

With an extensive product range available Eternity Technologies prides itself on world-class product design, production processes, technical development, cost structure and global location.

Eternity Technologies have brought together the latest manufacturing processes and modern design criteria to deliver the Eternity Technologies Motive Low Maintenance range, designed to meet the ever changing demands of the Global Motive Power market.

Low Maintenance Technology

Positive plate

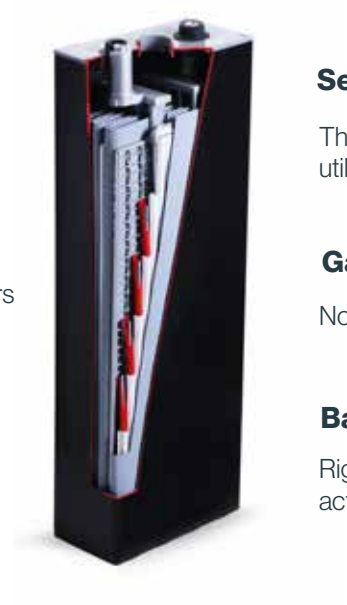
High energy density tubular positive plate

Separator

Microporous polyethylene separator design delivers increased acid volumes

Negative plate

Industry leading negative plate design



Sealing washer

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

Gauntlet

Non-woven, high-capacity polyester gauntlet

Base prism

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

Features of Low Maintenance Batteries...

Lead-acid vented batteries with liquid electrolyte

Capacity for DIN product range: 100 – 1550Ah
Capacity for BS product range: 110 – 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

Suitable for all applications

Compliant with
IEC 60254-1 & IEC 60254-2

Applications...

Forklift Trucks

Electric Vehicles

Cleaning Machines

Lifting Platforms

Road Vehicles / Tow Tractors

& other electric vehicles with high energy / deep cycle requirements

Recyclable

DIN Cells (Low Maintenance) - 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-ET 100-LM	100	6.0	47
3 PzS-ET 150-LM	150	8.7	65
4 PzS-ET 200-LM	200	11.1	83
5 PzS-ET 250-LM	250	13.9	101
6 PzS-ET 300-LM	300	16.4	119
7 PzS-ET 350-LM	350	18.7	137
8 PzS-ET 400-LM	400	21.1	155
9 PzS-ET 450-LM	450	23.9	173
10 PzS-ET 500-LM	500	26.1	191
12 PzS-ET 600-LM*	600	37.6	227

60 Ah Plate	H1 = 333.5 mm H2 = 363.5 mm		
Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzS-ET 120-LM	120	8.3	47
3 PzS-ET 180-LM	180	11.5	65
4 PzS-ET 240-LM	240	15.0	83
5 PzS-ET 300-LM	300	18.5	101
6 PzS-ET 360-LM	360	22.3	119
7 PzS-ET 420-LM	420	24.8	137
8 PzS-ET 480-LM	480	28.7	155
9 PzS-ET 540-LM	540	31.9	173
10 PzS-ET 600-LM	600	35.1	191
12 PzS-ET 720-LM*	720	46.6	227

80 Ah Plate	H1 = 396.5 mm H2 = 426.5 mm		
Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzS-ET 160-LM	160	9.7	47
3 PzS-ET 240-LM	240	14.0	65
4 PzS-ET 320-LM	320	18.2	83
5 PzS-ET 400-LM	400	22.3	101
6 PzS-ET 480-LM	480	26.3	119
7 PzS-ET 560-LM	560	30.5	137
8 PzS-ET 640-LM	640	34.9	155
9 PzS-ET 720-LM	720	38.9	173
10 PzS-ET 800-LM	800	43.0	191
12 PzS-ET 960-LM*	960	54.5	227

90 Ah Plate	H1 = 463.5 mm H2 = 493.5 mm		
Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzS-ET 180-LM	180	11.1	47
3 PzS-ET 270-LM	270	15.9	65
4 PzS-ET 360-LM	360	20.5	83
5 PzS-ET 450-LM	450	25.6	101
6 PzS-ET 540-LM	540	30.1	119
7 PzS-ET 630-LM	630	34.5	137
8 PzS-ET 720-LM	720	39.0	155
9 PzS-ET 810-LM	810	43.8	173
10 PzS-ET 900-LM	900	48.4	191
12 PzS-ET 1080-LM*	1080	59.9	227

105 Ah Plate	H1 = 511.5 mm H2 = 541.5 mm		
Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzS-ET 210-LM	210	12.8	47
3 PzS-ET 315-LM	315	18.1	65
4 PzS-ET 420-LM	420	23.5	83
5 PzS-ET 525-LM	525	28.5	101
6 PzS-ET 630-LM	630	34.1	119
7 PzS-ET 735-LM	735	39.4	137
8 PzS-ET 840-LM	840	44.8	155
9 PzS-ET 945-LM	945	49.8	173
10 PzS-ET 1050-LM	1050	55.1	191
12 PzS-ET 1260-LM*	1260	66.6	227

115 Ah Plate	H1 = 542.5 mm H2 = 572.5 mm		
Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzS-ET 230-LM	230	13.3	47
3 PzS-ET 345-LM	345	18.7	65
4 PzS-ET 460-LM	460	25.1	83
5 PzS-ET 575-LM	575	30.2	101
6 PzS-ET 690-LM	690	35.4	119
7 PzS-ET 805-LM	805	41.3	137
8 PzS-ET 920-LM	920	47.0	155
9 PzS-ET 1035-LM	1035	52.3	173
10 PzS-ET 1150-LM	1150	58.2	191
12 PzS-ET 1380-LM*	1380	69.7	227

125 Ah Plate	H1 = 569 mm H2 = 599 mm		
Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzS-ET 250-LM	250	14.8	47
3 PzS-ET 375-LM	375	20.4	65
4 PzS-ET 500-LM	500	26.4	83
5 PzS-ET 625-LM	625	32.7	101
6 PzS-ET 750-LM	750	39.1	119
7 PzS-ET 875-LM	875	43.6	137
8 PzS-ET 1000-LM	1000	51.4	155
9 PzS-ET 1125-LM	1125	57.1	173
10 PzS-ET 1250-LM	1250	63.3	191
12 PzS-ET 1500-LM*	1500	74.9	227

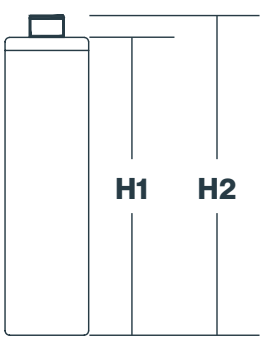
140 Ah Plate	H1 = 683.5 mm H2 = 713.5 mm		
Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzS-ET 280-LM	280	16.0	47
3 PzS-ET 420-LM	420	23.0	65
4 PzS-ET 560-LM	560	30.1	83
5 PzS-ET 700-LM	700	37.0	101
6 PzS-ET 840-LM	840	44.7	119
7 PzS-ET 980-LM	980	50.7	137
8 PzS-ET 1120-LM	1120	58.1	155
9 PzS-ET 1260-LM	1260	64.7	173
10 PzS-ET 1400-LM	1400	71.9	191
12 PzS-ET 1680-LM*	1680	83.4	227

155 Ah Plate	H1 = 713.5 mm H2 = 743.5 mm		
Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzS-ET 310-LM	310	17.5	47
3 PzS-ET 465-LM	465	25.5	65
4 PzS-ET 620-LM	620	33.8	83
5 PzS-ET 775-LM	775	39.6	101
6 PzS-ET 930-LM	930	48.0	119
7 PzS-ET 1085-LM	1085	55.6	137
8 PzS-ET 1240-LM	1240	63.0	155
9 PzS-ET 1395-LM	1395	70.2	173
10 PzS-ET 1550-LM	1550	78.3	191
12 PzS-ET 1860-LM*	1860	89.8	227

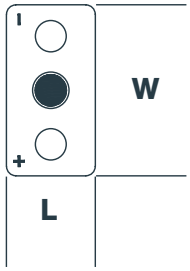
*** Double pillar**

Not to scale

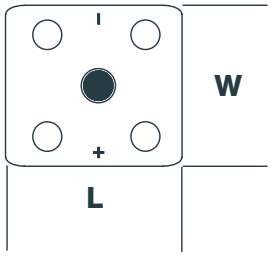
± 5% weight tolerance
H1: Height over lid
H2: Overall height including connector and bolt
Torque: 23Nm



Single pillar



Double pillar



BS Cells (Low Maintenance) - Weight, Capacity and Dimension Charts

Bolted 158mm wide

75 Ah Plate	H1 = 515 mm H2 = 545 mm		
Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzB-ET 150-LM	150	9.6	46
3 PzB-ET 225-LM	225	13.1	62
4 PzB-ET 300-LM	300	17.2	78
5 PzB-ET 375-LM	375	21.1	94
6 PzB-ET 450-LM	450	24.9	110
7 PzB-ET 525-LM	525	28.6	126
8 PzB-ET 600-LM	600	32.8	142
9 PzB-ET 675-LM	675	36.2	158
10 PzB-ET 750-LM	750	40.2	174
11 PzB-ET 825-LM	825	43.5	190
12 PzB-ET 900-LM	900	48.3	206
13 PzB-ET 975-LM*	975	51.9	221
14 PzB-ET 1050-LM*	1050	55.9	237

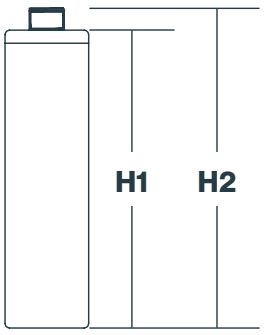
100 Ah Plate	H1 = 600.5 mm H2 = 630.5 mm		
Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzB-ET 200-LM	200	11.4	46
3 PzB-ET 300-LM	300	15.9	62
4 PzB-ET 400-LM	400	20.7	78
5 PzB-ET 500-LM	500	25.3	94
6 PzB-ET 600-LM	600	29.6	110
7 PzB-ET 700-LM	700	34.4	126
8 PzB-ET 800-LM	800	39.3	142
9 PzB-ET 900-LM	900	43.5	158
10 PzB-ET 1000-LM	1000	48.7	174
11 PzB-ET 1100-LM	1100	53.2	190
12 PzB-ET 1200-LM	1200	57.5	206
13 PzB-ET 1300-LM*	1300	61.0	221
14 PzB-ET 1400-LM*	1400	64.5	237

108 Ah Plate	H1 = 687 mm H2 = 717 mm		
Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzB-ET 216-LM	216	13.0	46
3 PzB-ET 324-LM	324	18.1	62
4 PzB-ET 432-LM	432	23.2	78
5 PzB-ET 540-LM	540	28.2	94
6 PzB-ET 648-LM	648	33.5	110
7 PzB-ET 756-LM	756	38.9	126
8 PzB-ET 864-LM	864	44.6	142
9 PzB-ET 972-LM	972	49.5	158
10 PzB-ET 1080-LM	1080	54.8	174
11 PzB-ET 1188-LM	1188	60.1	190
12 PzB-ET 1296-LM	1296	65.3	206
13 PzB-ET 1404-LM*	1404	68.8	221
14 PzB-ET 1512-LM*	1512	72.3	237

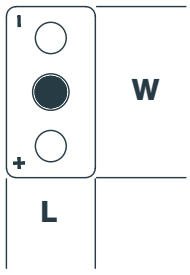
*** Double pillar**

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

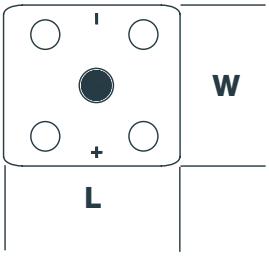
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Single pillar



Double pillar



9	PzB-ET	675	LM
Number of positive plates	PzB-ET for DIN PzS-ET for BS	Cell capacity (Ah)	Low Maintenance

BCI Cells (Low Maintenance) - Weight, Capacity and Dimension Charts

Bolted 158mm / 6.2 in wide

BCI-95 — H1 = 523mm / 20.6in H2 = 551mm / 21.7in

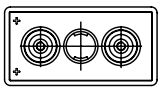
Cell type	Ah (C6)	Weight (kg)	Weight (lb)	Length (in)	Length (mm)
BCI-95-5-LM	190	11.8	26.0	2	51
BCI-95-7-LM	285	16.8	37.0	2.75	70
BCI-95-9-LM	380	21.7	47.8	3.5	89
BCI-95-11-LM	475	26.7	58.9	4.25	108
BCI-95-13-LM	570	31.6	69.7	5	127
BCI-95-15-LM	665	36.5	80.5	5.75	146
BCI-95-17-LM	760	42.4	93.5	6.5	165
BCI-95-19-LM	855	47.3	104.3	7.25	184
BCI-95-21-LM	950	52.3	115.3	8	203
BCI-95-23-LM	1045	57.2	126.1	8.75	222
BCI-95-25-LM	1140	62.1	136.9	9.5	241
BCI-95-27-LM	1235	67.1	147.9	10.25	260
BCI-95-29-LM	1330	73.0	160.9	11	279
BCI-95-31-LM	1425	77.9	171.7	11.75	298
BCI-95-33-LM	1520	82.9	182.7	12.5	317

BCI-110 — H1 = 599mm / 23.6in H2 = 627mm / 24.7in

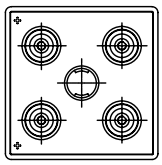
Cell type	Ah (C6)	Weight (kg)	Weight (lb)	Length (in)	Length (mm)
BCI-110-5-LM	220	13.2	29.1	2	51
BCI-110-7-LM	330	18.5	40.8	2.75	70
BCI-110-9-LM	440	23.9	52.7	3.5	89
BCI-110-11-LM	550	29.2	64.4	4.25	108
BCI-110-13-LM	660	34.6	76.3	5	127
BCI-110-15-LM	770	39.9	88.0	5.75	146
BCI-110-17-LM	880	46.4	102.3	6.5	165
BCI-110-19-LM	990	51.7	114.0	7.25	184
BCI-110-21-LM	1100	57.1	125.9	8	203
BCI-110-23-LM	1210	62.3	137.3	8.75	222
BCI-110-25-LM	1320	67.7	149.3	9.5	241
BCI-110-27-LM	1430	73.0	160.9	10.25	260
BCI-110-29-LM	1540	79.5	175.3	11	279
BCI-110-31-LM	1650	84.9	187.2	11.75	298
BCI-110-33-LM	1760	90.2	198.9	12.5	317

BCI-135 — H1 = 720mm / 28.3in H2 = 748mm / 29.4in

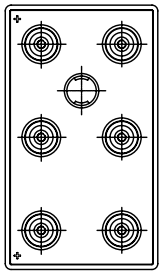
Cell type	Ah (C6)	Weight (kg)	Weight (lb)	Length (in)	Length (mm)
BCI-135-5-LM	270	16.3	35.9	2	51
BCI-135-7-LM	405	23.0	50.7	2.75	70
BCI-135-9-LM	540	29.7	65.5	3.5	89
BCI-135-11-LM	675	36.4	80.2	4.25	108
BCI-135-13-LM	810	43.1	95.0	5	127
BCI-135-15-LM	945	49.8	109.8	5.75	146
BCI-135-17-LM	1080	57.6	127.0	6.5	165
BCI-135-19-LM	1215	64.3	141.8	7.25	184
BCI-135-21-LM	1350	71.0	156.5	8	203
BCI-135-23-LM	1485	77.7	171.3	8.75	222
BCI-135-25-LM	1620	84.4	186.1	9.5	241
BCI-135-27-LM	1755	91.2	201.1	10.25	260
BCI-135-29-LM	1890	98.9	218.0	11	279
BCI-135-31-LM	2025	105.7	233.0	11.75	298
BCI-135-33-LM	2160	112.4	247.8	12.5	317



5 to 15 Plate



17 to 27 Plate

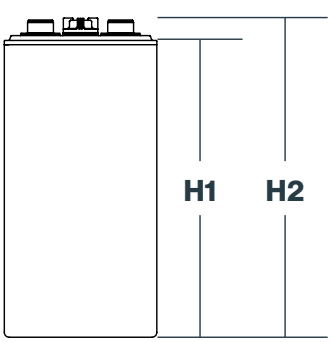


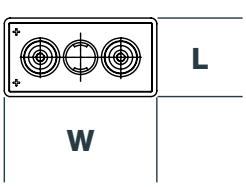
29 to 33 Plate

95	5	ST/EC
Plate capacity (Ah)	Number of total plates	Standard / Enhanced Capacity

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

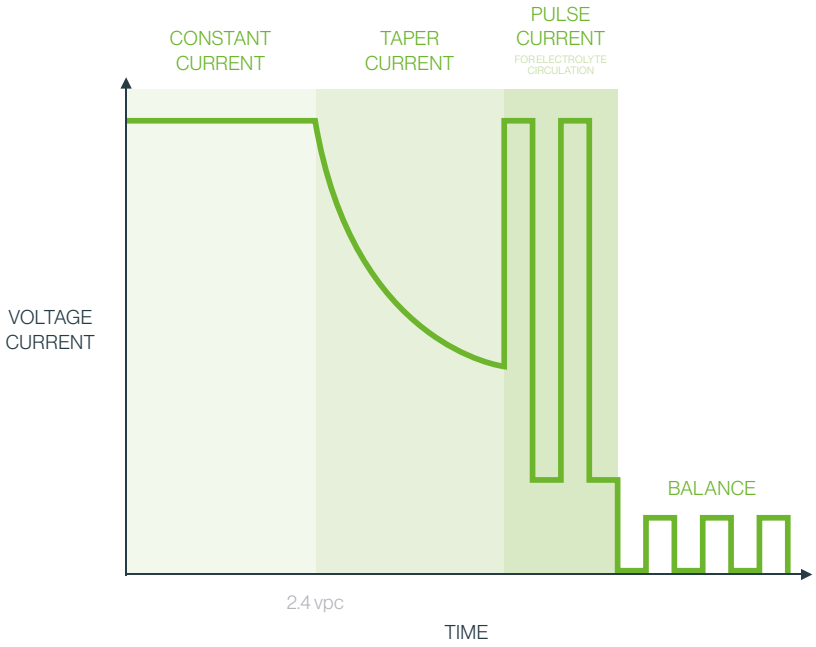
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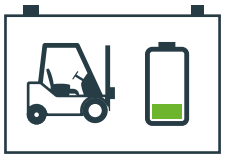
Low Maintenance Recharge Profile

Extended watering intervals of up to 90 days when using a low maintenance pulse charging profile with no reduction in capacity.

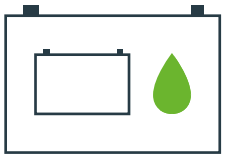




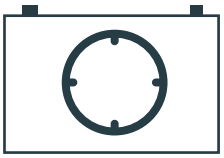
Low Maintenance Battery



Low Maintenance low recharge profile



Minimal water loss resulting in extended watering periods



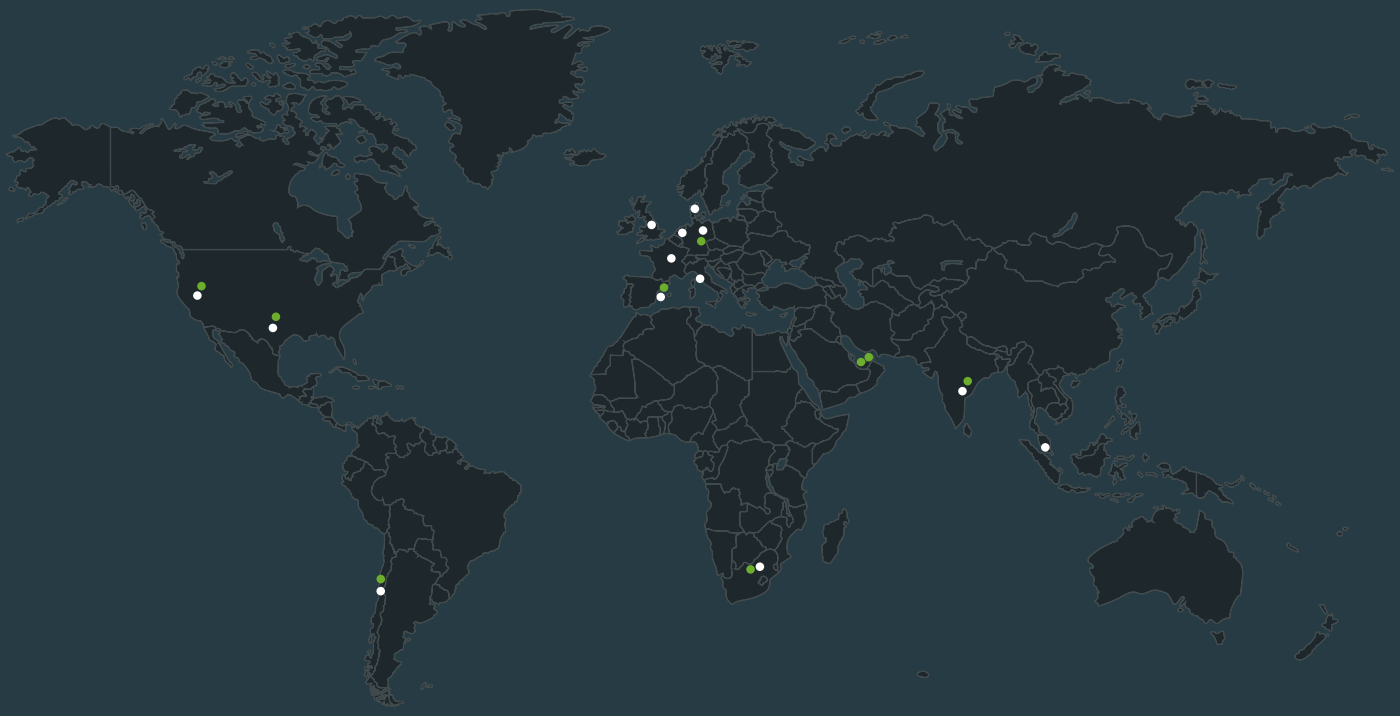
Less Maintenance



LOW MAINTENANCE

Low Maintenance batteries designed for minimal water loss resulting in extended watering periods & reduced maintenance

A global leader in the industrial battery market providing world-class products for Motive Power and Reserve Power applications.



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