MOTIVE POWER

Eternity TECHNOLOGIES



Long Life

Flooded Motive Batteries - DIN, BS & BCI

THINK GREEN THINK ETERNITY

Long Life Batteries

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 Long Life range, designed to meet the ever changing demands of the Global Motive Power market.

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

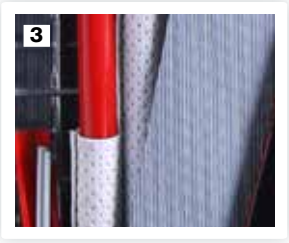
Road Vehicles / Tow Tractors

& other electric vehicles with high energy / deep cycle requirements

Long Life Technology







1. Positive plate

High energy density tubular positive plate

2. Separator

Microporous polyethylene separator design delivers increased acid volumes

3. Negative plate

Industry leading negative plate design

4. Gauntlet

Non-woven, high-capacity polyester gauntlet

5. Sealing washer

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

6. Base prism

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

Recyclable

Compliant with

IEC 60254-1 and IEC 60254-2

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-ET 100	100	6.0	47
3 PzS-ET 150	150	8.7	65
4 PzS-ET 200	200	11.1	83
5 PzS-ET 250	250	13.9	101
6 PzS-ET 300	300	16.4	119
7 PzS-ET 350	350	18.7	137
8 PzS-ET 400	400	21.1	155
9 PzS-ET 450	450	23.9	173
10 PzS-ET 500	500	26.1	191
12 PzS-ET 600*	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	120	8.3	47
3 PzS-ET 180	180	11.5	65
4 PzS-ET 240	240	15.0	83
5 PzS-ET 300	300	18.5	101
6 PzS-ET 360	360	22.3	119
7 PzS-ET 420	420	24.8	137
8 PzS-ET 480	480	28.7	155
9 PzS-ET 540	540	31.9	173
10 PzS-ET 600	600	35.1	191
12 PzS-ET 720*	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	160	9.7	47
3 PzS-ET 240	240	14.0	65
4 PzS-ET 320	320	18.2	83
5 PzS-ET 400	400	22.3	101
6 PzS-ET 480	480	26.3	119
7 PzS-ET 560	560	30.5	137
8 PzS-ET 640	640	34.9	155
9 PzS-ET 720	720	38.9	173
10 PzS-ET 800	800	43.0	191
12 PzS-ET 960*	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	180	11.1	47
3 PzS-ET 270	270	15.9	65
4 PzS-ET 360	360	20.5	83
5 PzS-ET 450	450	25.6	101
6 PzS-ET 540	540	30.1	119
7 PzS-ET 630	630	34.5	137
8 PzS-ET 720	720	39.0	155
9 PzS-ET 810	810	43.8	173
10 PzS-ET 900	900	48.4	191
12 PzS-ET 1080*	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	210	12.8	47
3 PzS-ET 315	315	18.1	65
4 PzS-ET 420	420	23.5	83
5 PzS-ET 525	525	28.5	101
6 PzS-ET 630	630	34.1	119
7 PzS-ET 735	735	39.4	137
8 PzS-ET 840	840	44.8	155
9 PzS-ET 945	945	49.8	173
10 PzS-ET 1050	1050	55.1	191
12 PzS-ET 1260*	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	230	13.3	47
3 PzS-ET 345	345	18.7	65
4 PzS-ET 460	460	25.1	83
5 PzS-ET 575	575	30.2	101
6 PzS-ET 690	690	35.4	119
7 PzS-ET 805	805	41.3	137
8 PzS-ET 920	920	47.0	155
9 PzS-ET 1035	1035	52.3	173
10 PzS-ET 1150	1150	58.2	191
12 PzS-ET 1380*	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	250	14.8	47
3 PzS-ET 375	375	20.4	65
4 PzS-ET 500	500	26.4	83
5 PzS-ET 625	625	32.7	101
6 PzS-ET 750	750	39.1	119
7 PzS-ET 875	875	43.6	137
8 PzS-ET 1000	1000	51.4	155
9 PzS-ET 1125	1125	57.1	173
10 PzS-ET 1250	1250	63.3	191
12 PzS-ET 1500*	1500	83.4	227

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

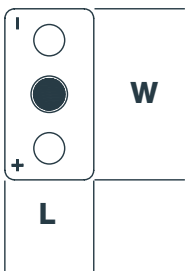
155 Ah Plate	H1 = 713.5 mm H2 = 743.5 mm		
Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzS-ET 310	310	17.5	47
3 PzS-ET 465	465	25.5	65
4 PzS-ET 620	620	33.8	83
5 PzS-ET 775	775	39.6	101
6 PzS-ET 930	930	48.0	119
7 PzS-ET 1085	1085	55.6	137
8 PzS-ET 1240	1240	63.0	155
9 PzS-ET 1395	1395	70.2	173
10 PzS-ET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

*** Double pillar**

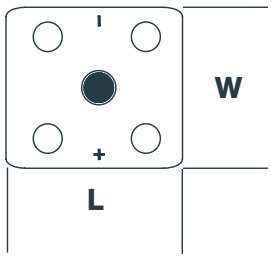
(Applicable for DIN & BS)

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

Single pillar



Double pillar



Not to scale

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

Bolted 158mm wide

42 Ah Plate	H1 = 325 mm H2 = 355mm		
Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzB-ET 84	84	6.1	46
3 PzB-ET 126	126	8.4	62
4 PzB-ET 168	168	10.7	78
5 PzB-ET 210	210	12.8	94
6 PzB-ET 252	252	15,3	110
7 PzB-ET 294	294	17.7	126
8 PzB-ET 336	336	20.0	142
9 PzB-ET 378	378	22.4	158
10 PzB-ET 420	420	24.8	174
11 PzB-ET 462	462	27.1	190
12 PzB-ET 504	504	29.4	206
13 PzB-ET 546*	546	30.6	221
14 PzB-ET 588*	588	34.1	237

55 Ah Plate	H1 = 402 mm H2 = 432 mm		
Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzB-ET 110	110	7.5	46
3 PzB-ET 165	165	10.3	62
4 PzB-ET 220	220	13.2	78
5 PzB-ET 275	275	16.3	94
6 PzB-ET 330	330	19.3	110
7 PzB-ET 385	385	21.7	126
8 PzB-ET 440	440	24.9	142
9 PzB-ET 495	495	28.3	158
10 PzB-ET 550	550	30.5	174
11 PzB-ET 605	605	34.1	190
12 PzB-ET 660	660	36.2	206
13 PzB-ET 715*	715	39.9	221
14 PzB-ET 770*	770	42.8	237

65 Ah Plate	H1 = 454 mm H2 = 484 mm		
Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzB-ET 130	130	8.3	46
3 PzB-ET 195	195	11.9	62
4 PzB-ET 260	260	15.1	78
5 PzB-ET 325	325	18.5	94
6 PzB-ET 390	390	21.8	110
7 PzB-ET 455	455	25.3	126
8 PzB-ET 520	520	28.2	142
9 PzB-ET 585	585	32.0	158
10 PzB-ET 650	650	35.6	174
11 PzB-ET 715	715	38.9	190
12 PzB-ET 780	780	42.0	206
13 PzB-ET 845*	845	45.8	221
14 PzB-ET 910*	910	49.1	237

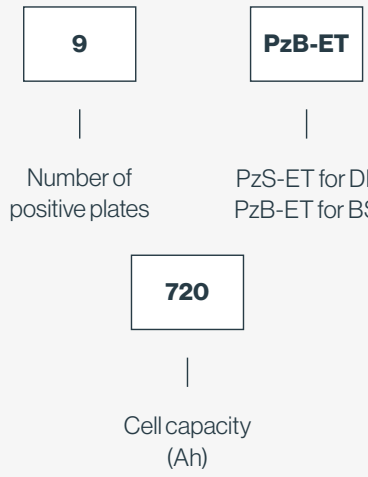
75 Ah Plate	H1 = 515 mm H2 = 545 mm		
Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzB-ET 150	150	9.6	46
3 PzB-ET 225	225	13.1	62
4 PzB-ET 300	300	17.2	78
5 PzB-ET 375	375	21.1	94
6 PzB-ET 450	450	24.9	110
7 PzB-ET 525	525	28.6	126
8 PzB-ET 600	600	32.8	142
9 PzB-ET 675	675	36.2	158
10 PzB-ET 750	750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

80 Ah Plate	H1 = 515 mm H2 = 545 mm		
Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzB-ET 160	160	9.8	46
3 PzB-ET 240	240	13.7	62
4 PzB-ET 320	320	17.6	78
5 PzB-ET 400	400	21.3	94
6 PzB-ET 480	480	25.5	110
7 PzB-ET 560	560	29.3	126
8 PzB-ET 640	640	33.4	142
9 PzB-ET 720	720	37.3	158
10 PzB-ET 800	800	41.5	174
11 PzB-ET 880	880	45.3	190
12 PzB-ET 960	960	48.5	206
13 PzB-ET 1040*	1040	52.0	221
14 PzB-ET 1120*	1120	55.5	237

86 Ah Plate	H1 = 568 mm H2 = 598 mm		
Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzB-ET 172	172	10.8	46
3 PzB-ET 258	258	14.9	62
4 PzB-ET 344	344	19.3	78
5 PzB-ET 430	430	23.6	94
6 PzB-ET 516	516	28.0	110
7 PzB-ET 602	602	31.9	126
8 PzB-ET 688	688	36.3	142
9 PzB-ET 774	774	40.6	158
10 PzB-ET 860	860	45.1	174
11 PzB-ET 946	946	49.2	190
12 PzB-ET 1032	1032	53.3	206
13 PzB-ET 1118*	1118	56.8	221
14 PzB-ET 1204*	1204	60.3	237

100 Ah Plate	H1 = 600.5 mm H2 = 630.5 mm		
Cell type	Ah (C5)	Weight (kg)	Length (mm)
2 PzB-ET 200	200	11.4	46
3 PzB-ET 300	300	15.9	62
4 PzB-ET 400	400	20.7	78
5 PzB-ET 500	500	25.3	94
6 PzB-ET 600	600	29.6	110
7 PzB-ET 700	700	34.4	126
8 PzB-ET 800	800	39.3	142
9 PzB-ET 900	900	43.5	158
10 PzB-ET 1000	1000	48.7	174
11 PzB-ET 1100	1100	53.2	190
12 PzB-ET 1200	1200	57.5	206
13 PzB-ET 1300*	1300	61.0	221
14 PzB-ET 1400*	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	216	13.0	46
3 PzB-ET 324	324	18.1	62
4 PzB-ET 432	432	23.2	78
5 PzB-ET 540	540	28.2	94
6 PzB-ET 648	648	33.5	110
7 PzB-ET 756	756	38.9	126
8 PzB-ET 864	864	44.6	142
9 PzB-ET 972	972	49.5	158
10 PzB-ET 1080	1080	54.8	174
11 PzB-ET 1188	1188	60.1	190
12 PzB-ET 1296	1296	65.3	206
13 PzB-ET 1404*	1404	68.8	221
14 PzB-ET 1512*	1512	72.3	237



*** Double pillar**

BCI Cells (Standard) - 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-ST	190	11.8	26.0	2	51
BCI-95-7-ST	285	16.8	37.0	2.75	70
BCI-95-9-ST	380	21.7	47.8	3.5	89
BCI-95-11-ST	475	26.7	58.9	4.25	108
BCI-95-13-ST	570	31.6	69.7	5	127
BCI-95-15-ST	665	36.5	80.5	5.75	146
BCI-95-17-ST	760	42.4	93.5	6.5	165
BCI-95-19-ST	855	47.3	104.3	7.25	184
BCI-95-21-ST	950	52.3	115.3	8	203
BCI-95-23-ST	1045	57.2	126.1	8.75	222
BCI-95-25-ST	1140	62.1	136.9	9.5	241
BCI-95-27-ST	1235	67.1	147.9	10.25	260
BCI-95-29-ST	1330	73.0	160.9	11	279
BCI-95-31-ST	1425	77.9	171.7	11.75	298
BCI-95-33-ST	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-ST	220	13.2	29.1	2	51
BCI-110-7-ST	330	18.5	40.8	2.75	70
BCI-110-9-ST	440	23.9	52.7	3.5	89
BCI-110-11-ST	550	29.2	64.4	4.25	108
BCI-110-13-ST	660	34.6	76.3	5	127
BCI-110-15-ST	770	39.9	88.0	5.75	146
BCI-110-17-ST	880	46.4	102.3	6.5	165
BCI-110-19-ST	990	51.7	114.0	7.25	184
BCI-110-21-ST	1100	57.1	125.9	8	203
BCI-110-23-ST	1210	62.3	137.3	8.75	222
BCI-110-25-ST	1320	67.7	149.3	9.5	241
BCI-110-27-ST	1430	73.0	160.9	10.25	260
BCI-110-29-ST	1540	79.5	175.3	11	279
BCI-110-31-ST	1650	84.9	187.2	11.75	298
BCI-110-33-ST	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-ST	270	16.3	35.9	2	51
BCI-135-7-ST	405	23.0	50.7	2.75	70
BCI-135-9-ST	540	29.7	65.5	3.5	89
BCI-135-11-ST	675	36.4	80.2	4.25	108
BCI-135-13-ST	810	43.1	95.0	5	127
BCI-135-15-ST	945	49.8	109.8	5.75	146
BCI-135-17-ST	1080	57.6	127.0	6.5	165
BCI-135-19-ST	1215	64.3	141.8	7.25	184
BCI-135-21-ST	1350	71.0	156.5	8	203
BCI-135-23-ST	1485	77.7	171.3	8.75	222
BCI-135-25-ST	1620	84.4	186.1	9.5	241
BCI-135-27-ST	1755	91.2	201.1	10.25	260
BCI-135-29-ST	1890	98.9	218.0	11	279
BCI-135-31-ST	2025	105.7	233.0	11.75	298
BCI-135-33-ST	2160	112.4	247.8	12.5	317

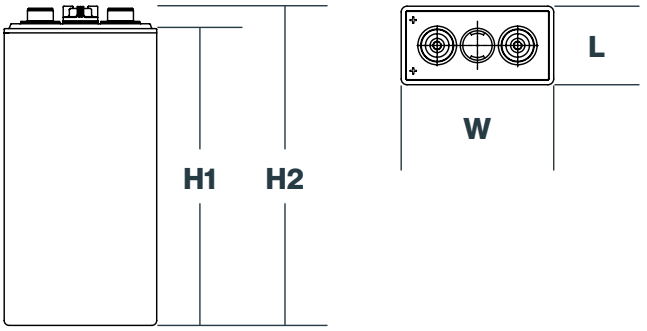
BCI Cells (Enhanced Capacity) - Weight, Capacity and Dimension Charts

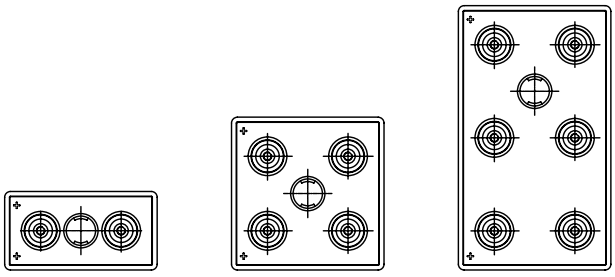
BCI-105	H1 = 523mm / 20.6in H2 = 551mm / 21.7in				
Cell type	**Ah (C6)**	**Weight (kg)**	**Weight (lb)**	**Length (in)**	**Length (mm)**
BCI-105-5-EC	210	11.8	26.0	2	51
BCI-105-7-EC	315	16.8	37.0	2.75	70
BCI-105-9-EC	420	21.9	48.3	3.5	89
BCI-105-11-EC	525	27.0	59.5	4.25	108
BCI-105-13-EC	630	32.0	70.5	5	127
BCI-105-15-EC	735	37.0	81.6	5.75	146
BCI-105-17-EC	840	42.5	93.7	6.5	165
BCI-105-19-EC	945	47.6	104.9	7.25	184
BCI-105-21-EC	1050	52.7	116.2	8	203
BCI-105-23-EC	1155	57.7	127.2	8.75	222
BCI-105-25-EC	1260	62.8	138.5	9.5	241
BCI-105-27-EC	1365	67.8	149.5	10.25	260
BCI-105-29-EC	1470	73.3	161.6	11	279
BCI-105-31-EC	1575	78.4	172.8	11.75	298
BCI-105-33-EC	1680	83.5	184.1	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	16.4	36.2	2	51
BCI-150-7-EC	450	23.5	51.8	2.75	70
BCI-150-9-EC	600	30.6	67.5	3.5	89
BCI-150-11-EC	750	37.7	83.1	4.25	108
BCI-150-13-EC	900	44.8	98.8	5	127
BCI-150-15-EC	1050	51.8	114.2	5.75	146
BCI-150-17-EC	1200	59.4	131.0	6.5	165
BCI-150-19-EC	1350	66.5	146.6	7.25	184
BCI-150-21-EC	1500	73.6	162.3	8	203
BCI-150-23-EC	1650	80.6	117.7	8.75	222
BCI-150-25-EC	1800	87.7	193.3	9.5	241
BCI-150-27-EC	1950	94.8	209.0	10.25	260
BCI-150-29-EC	2100	102.3	225.5	11	279
BCI-150-31-EC	2250	109.4	241.2	11.75	298
BCI-150-33-EC	2400	116.5	256.8	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

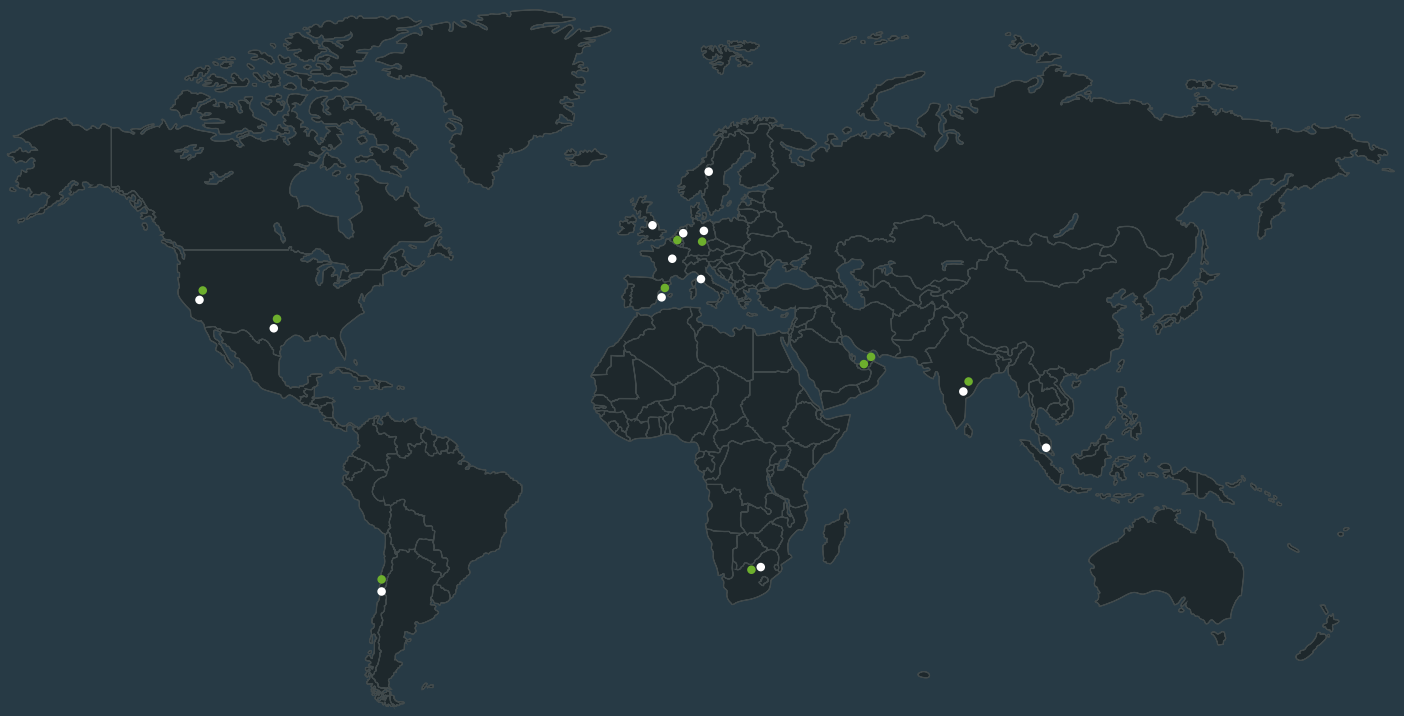




5 to 15 Plate | **17 to 27 Plate** | **29 to 33 Plate**

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

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



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