

CEIL

TRUSTED BATTERY SYSTEMS



**Motive Power Batteries
Supply, Installation & Service**

+ ESPEX -
Batteries Limited

DIN & BS ranges

Complete accessories

ISO 9001:2015 certified

DIN Specification

Traction Cells (198mm wide)

Positive plate capacity 60 Ah, overall height 361mm, to lid top 331mm

Cell type		Ah @ C5 at 30°C	Length (mm)	Dry weight (kg)	Acid vol. (lt)	Filled weight (kg)
2 IPzS 120	EXWAF5	120	47	6.3	1.3	7.9
3 IPzS 180	EXWAF7	180	65	8.9	1.9	11.4
4 IPzS 240	EXWAF9	240	83	11.4	2.8	14.9
5 IPzS 300	EXWAF11	300	101	13.9	3.2	18.0
6 IPzS 360	EXWAF13	360	119	16.6	4.4	22.0
7 IPzS 420	EXWAF15	420	137	19.0	4.9	25.2
8 IPzS 480	EXWAF17	480	155	21.5	5.2	28.0
9 IPzS 540	EXWAF19	540	173	24.1	6.0	31.7
10 IPzS 600	EXWAF21	600	191	26.7	6.7	35.1

Positive plate capacity 80 Ah, overall height 427mm, to lid top 397mm

Cell type		Ah @ C5 at 30°C	Length (mm)	Dry weight (kg)	Acid vol. (lt)	Filled weight (kg)
2 IPzS 160	EXWBF5	160	47	7.7	1.6	9.7
3 IPzS 240	EXWBF7	240	65	11.0	2.4	14.0
4 IPzS 320	EXWBF9	320	83	14.0	3.3	18.2
5 IPzS 400	EXWBF11	400	101	17.2	4.1	22.3
6 IPzS 480	EXWBF13	480	119	20.4	5.1	26.8
7 IPzS 560	EXWBF15	560	137	23.4	5.8	30.8
8 IPzS 640	EXWBF17	640	155	26.6	6.6	34.9
9 IPzS 720	EXWBF19	720	173	29.7	7.1	38.7
10 IPzS 800	EXWBF21	800	191	33.0	8.3	43.4

Positive plate capacity 90 Ah, overall height 488mm, to lid top 458mm

Cell type		Ah @ C5 at 30°C	Length (mm)	Dry weight (kg)	Acid vol. (lt)	Filled weight (kg)
2 IPzS 180	EXWCF5	180	47	8.8	1.8	11.0
3 IPzS 270	EXWCF7	270	65	12.6	2.8	16.1
4 IPzS 360	EXWCF9	360	83	16.1	3.7	20.8
5 IPzS 450	EXWCF11	450	101	19.7	4.6	25.5
6 IPzS 540	EXWCF13	540	119	23.5	5.5	30.5
7 IPzS 630	EXWCF15	630	137	27.0	6.4	35.1
8 IPzS 720	EXWCF17	720	155	30.7	7.3	39.9
9 IPzS 810	EXWCF19	810	173	34.3	8.3	44.8
10 IPzS 900	EXWCF21	900	191	38.1	9.1	49.5

Positive plate capacity 105 Ah, overall height 538mm, to lid top 508mm

Cell type		Ah @ C5 at 30°C	Length (mm)	Dry weight (kg)	Acid vol. (lt)	Filled weight (kg)
2 IPzS 210	EHXWCF5	210	47	10.0	2.0	12.5
3 IPzS 315	EHXWCF7	315	65	14.4	3.1	18.3
4 IPzS 420	EHXWCF9	420	83	18.5	4.1	23.7
5 IPzS 525	EHXWCF11	525	101	22.7	5.1	29.1
6 IPzS 630	EHXWCF13	630	119	27.1	6.2	34.8
7 IPzS 735	EHXWCF15	735	137	31.2	7.1	40.2
8 IPzS 840	EHXWCF17	840	155	35.5	8.1	45.7
9 IPzS 945	EHXWCF19	945	173	39.7	9.2	51.3
10 IPzS 1050	EHXWCF21	1050	191	44.0	10.2	56.8

Positive plate capacity 115 Ah, overall height 563mm, to lid top 533mm

Cell type		Ah @ C5 at 30°C	Length (mm)	Dry weight (kg)	Acid vol. (lt)	Filled weight (kg)
2 IPzS 230	ELXWEF5	230	47	10.5	2.1	13.1
3 IPzS 345	ELXWEF7	345	65	15.1	3.3	19.2
4 IPzS 460	ELXWEF9	460	83	19.4	4.3	24.8
5 IPzS 575	ELXWEF11	575	101	23.8	5.3	30.5
6 IPzS 690	ELXWEF13	690	119	28.4	6.5	36.5
7 IPzS 805	ELXWEF15	805	137	32.7	7.5	42.1
8 IPzS 920	ELXWEF17	920	155	37.1	8.5	47.9
9 IPzS 1035	ELXWEF19	1035	173	41.5	9.7	53.7
10 IPzS 1150	ELXWEF21	1150	191	46.0	10.6	59.5

Positive plate capacity 125Ah, overall height 599mm, to lid top 569mm

Cell type		Ah @ C5 at 30°C	Length (mm)	Dry weight (kg)	Acid vol. (lt)	Filled weight (kg)
2 IPzS 250	EXWEF5	250	47	11.2	2.2	14.0
3 IPzS 375	EXWEF7	375	65	16.2	3.5	20.6
4 IPzS 500	EXWEF9	500	83	20.8	4.6	26.6
5 IPzS 625	EXWEF11	625	101	25.6	5.7	32.8
6 IPzS 750	EXWEF13	750	119	30.5	6.9	39.2
7 IPzS 875	EXWEF15	875	137	35.1	8.0	45.2
8 IPzS 1000	EXWEF17	1000	155	39.9	9.1	51.4
9 IPzS 1125	EXWEF19	1125	173	44.8	10.3	57.8
10 IPzS 1250	EXWEF21	1250	191	49.7	11.4	64.0

Positive plate capacity 140 Ah, overall height 713mm, to lid top 683mm

Cell type		Ah @ C5 at 30°C	Length (mm)	Dry weight (kg)	Acid vol. (lt)	Filled weight (kg)
2 IPzS 280	ELXWFF5	280	47	13.2	2.7	16.6
3 IPzS 420	ELXWFF7	420	65	19.1	4.2	24.4
4 IPzS 560	ELXWFF9	560	83	24.6	5.6	31.6
5 IPzS 700	ELXWFF11	700	101	30.3	6.8	39.0
6 IPzS 840	ELXWFF13	840	119	36.1	8.3	46.5
7 IPzS 980	ELXWFF15	980	137	41.6	9.6	53.7
8 IPzS 1120	ELXWFF17	1120	155	47.3	11.0	61.1
9 IPzS 1260	ELXWFF19	1260	173	53.1	12.4	68.7
10 IPzS 1400	ELXWFF21	1400	191	58.8	13.7	76.0

Positive plate capacity 155 Ah, overall height 740mm, to lid top 710mm

Cell type		Ah @ C5 at 30°C	Length (mm)	Dry weight (kg)	Acid vol. (lt)	Filled weight (kg)
2 IPzS 310	EXWFF5	310	47	13.8	2.8	17.4
3 IPzS 465	EXWFF7	465	65	19.9	4.4	25.5
4 IPzS 620	EXWFF9	620	83	25.7	5.8	33.0
5 IPzS 775	EXWFF11	775	101	31.6	7.2	40.6
6 IPzS 930	EXWFF13	930	119	37.6	8.7	48.6
7 IPzS 1085	EXWFF15	1085	137	43.4	10.1	56.1
8 IPzS 1240	EXWFF17	1240	155	49.4	11.5	63.8
9 IPzS 1395	EXWFF19	1395	173	55.6	13.0	72.0
10 IPzS 1550	EXWFF21	1550	191	61.6	14.3	79.6

Accessories:

Weld-on solid lead or cable connectors, take-offs and thimbles

Bolt-on cable connectors and take-off cables

Packing sheets and partitions

Battery filling system for precise watering

Air circulation system to aid quick recharging (available on some cell types)

Electrolyte level sensor

BS Specification

Traction Cells (158mm wide)

Long life corrosion-resistant tubular positive plates

Positive plate spines
- high pressure cast at > 100 bar

Positive gauntlet
- non-woven fabric

Negative plates
designed to match life and performance of the positive

Cells factory charged using advanced chilled electrolyte circulation system

Automated cast-on strap groups assembly

Up to 1500 cycles at 80% DOD in temperate conditions

Positive plate capacity 32 Ah, overall height 298mm, to lid top 268mm

Cell type		Ah @ C5 at 30°C	Length (mm)	Dry weight (kg)	Acid vol. (lt)	Filled weight (kg)
2 IPzB 64	EXXVF5	64	45	4.1	0.9	5.1
3 IPzB 96	EXXVF7	96	61	5.5	1.2	7.2
4 IPzB 128	EXXVF9	128	77	7.0	1.5	9.3
5 IPzB 160	EXXVF11	160	93	8.5	1.8	11.2
6 IPzB 192	EXXVF13	192	109	10.0	2.2	13.2
7 IPzB 224	EXXVF15	224	125	11.5	2.5	15.1
8 IPzB 256	EXXVF17	256	141	13.0	2.9	17.1
9 IPzB 288	EXXVF19	288	157	14.4	3.2	19.0
10 IPzB 320	EXXVF21	320	173	15.9	3.5	21.0
11 IPzB 352	EXXVF23	352	189	17.5	3.9	23.1
12 IPzB 384	EXXVF25	384	205	19.7	4.2	25.8
13 IPzB 416	EXXVF27	416	221	21.3	4.5	27.9

Positive plate capacity 42 Ah, overall height 354mm, to lid top 324mm

Cell type		Ah @ C5 at 30°C	Length (mm)	Dry weight (kg)	Acid vol. (lt)	Filled weight (kg)
2 IPzB 84	EXIMF5	84	45	4.6	1.1	6.1
3 IPzB 126	EXIMF7	126	61	6.5	1.6	8.5
4 IPzB 168	EXIMF9	168	77	8.7	2.1	11.3
5 IPzB 210	EXIMF11	210	93	10.4	2.5	13.5
6 IPzB 252	EXIMF13	252	109	12.2	2.9	15.9
7 IPzB 294	EXIMF15	294	125	14.0	3.4	18.2
8 IPzB 336	EXIMF17	336	141	15.8	3.9	20.7
9 IPzB 378	EXIMF19	378	157	17.6	4.3	23.0
10 IPzB 420	EXIMF21	420	173	19.4	4.7	25.4
11 IPzB 462	EXIMF23	462	189	21.7	5.2	28.2
12 IPzB 504	EXIMF25	504	205	24.3	5.6	31.4
13 IPzB 546	EXIMF27	546	221	26.3	6.1	33.9

Positive plate capacity 55 Ah, overall height 428mm, to lid top 398mm

Cell type		Ah @ C5 at 30°C	Length (mm)	Dry weight (kg)	Acid vol. (lt)	Filled weight (kg)
2 IPzB 110	EXILF5	110	45	6.1	1.4	7.9
3 IPzB 165	EXILF7	165	61	8.4	1.9	10.8
4 IPzB 220	EXILF9	220	77	10.7	2.5	13.9
5 IPzB 275	EXILF11	275	93	13.1	3.0	16.8
6 IPzB 330	EXILF13	330	109	15.3	3.6	19.8
7 IPzB 385	EXILF15	385	125	17.6	4.1	22.8
8 IPzB 440	EXILF17	440	141	20.0	4.7	25.9
9 IPzB 495	EXILF19	495	157	22.3	5.2	28.8
10 IPzB 550	EXILF21	550	173	24.6	5.8	31.8
11 IPzB 605	EXILF23	605	189	27.0	6.3	35.0
12 IPzB 660	EXILF25	660	205	30.1	6.9	38.7
13 IPzB 715	EXILF27	715	221	32.4	7.4	41.7

Positive plate capacity 65 Ah, overall height 478mm, to lid top 448mm

Cell type		Ah @ C5 at 30°C	Length (mm)	Dry weight (kg)	Acid vol. (lt)	Filled weight (kg)
2 IPzB 130	EXTLF5	130	45	6.8	1.6	8.8
3 IPzB 195	EXTLF7	195	61	9.4	2.1	12.1
4 IPzB 260	EXTLF9	260	77	12.1	2.8	15.6
5 IPzB 325	EXTLF11	325	93	14.7	3.3	18.9
6 IPzB 390	EXTLF13	390	109	17.3	4.0	22.4
7 IPzB 455	EXTLF15	455	125	20.0	4.6	25.7
8 IPzB 520	EXTLF17	520	141	22.6	5.2	29.2
9 IPzB 585	EXTLF19	585	157	25.2	5.8	32.5
10 IPzB 650	EXTLF21	650	173	27.9	6.4	35.9
11 IPzB 715	EXTLF23	715	189	30.6	7.0	39.4
12 IPzB 780	EXTLF25	780	205	34.0	7.6	43.6
13 IPzB 845	EXTLF27	845	221	36.6	8.2	47.0

Positive plate capacity 75 Ah, overall height 537mm, to lid top 507mm

Cell type		Ah @ C5 at 30°C	Length (mm)	Dry weight (kg)	Acid vol. (lt)	Filled weight (kg)
2 IPzB 150	EXTHF5	150	45	7.7	1.7	9.9
3 IPzB 225	EXTHF7	225	61	10.7	2.4	13.7
4 IPzB 300	EXTHF9	300	77	13.8	3.1	17.7
5 IPzB 375	EXTHF11	375	93	16.7	3.7	21.4
6 IPzB 450	EXTHF13	450	109	19.7	4.4	25.3
7 IPzB 525	EXTHF15	525	125	22.7	5.1	29.1
8 IPzB 600	EXTHF17	600	141	25.7	5.8	33.0
9 IPzB 675	EXTHF19	675	157	28.7	6.5	36.8
10 IPzB 750	EXTHF21	750	173	31.7	7.1	40.6
11 IPzB 825	EXTHF23	825	189	34.6	7.8	44.5
12 IPzB 900	EXTHF25	900	205	38.3	8.5	49.0
13 IPzB 975	EXTHF27	975	221	41.3	9.1	52.8

Positive plate capacity 86 Ah, overall height 595mm, to lid top 565mm

Cell type		Ah @ C5 at 30°C	Length (mm)	Dry weight (kg)	Acid vol. (lt)	Filled weight (kg)
2 IPzB 172	EXTOF5	172	45	8.1	1.9	10.6
3 IPzB 258	EXTOF7	258	61	11.7	2.7	15.1
4 IPzB 344	EXTOF9	344	77	15.2	3.5	19.5
5 IPzB 430	EXTOF11	430	93	18.6	4.1	23.9
6 IPzB 516	EXTOF13	516	109	22.0	4.9	28.3
7 IPzB 602	EXTOF15	602	125	25.5	5.7	32.6
8 IPzB 688	EXTOF17	688	141	28.9	6.5	37.1
9 IPzB 774	EXTOF19	774	157	32.3	7.2	41.5
10 IPzB 860	EXTOF21	860	173	35.7	8.0	45.8
11 IPzB 946	EXTOF23	946	189	39.1	8.8	50.2
12 IPzB 1032	EXTOF25	1032	205	43.2	9.5	55.2
13 IPzB 1118	EXTOF27	1118	221	46.7	10.3	59.7

Positive plate capacity 100 Ah, overall height 632mm, to lid top 602mm

Cell type		Ah @ C5 at 30°C	Length (mm)	Dry weight (kg)	Acid vol. (lt)	Filled weight (kg)
2 IPzB 200	ELXTEF5	200	45	9.1	2.1	11.8
3 IPzB 300	ELXTEF7	300	61	12.9	2.9	16.5
4 IPzB 400	ELXTEF9	400	77	16.7	3.8	21.4
5 IPzB 500	ELXTEF11	500	93	20.6	4.5	26.2
6 IPzB 600	ELXTEF13	600	109	24.3	5.4	31.1
7 IPzB 700	ELXTEF15	700	125	28.1	6.1	35.8
8 IPzB 800	ELXTEF17	800	141	31.9	7.0	40.8
9 IPzB 900	ELXTEF19	900	157	35.7	7.8	45.5
10 IPzB 1000	ELXTEF21	1000	173	39.5	8.6	50.3
11 IPzB 1100	ELXTEF23	1100	189	43.3	9.4	55.2
12 IPzB 1200	ELXTEF25	1200	205	47.9	10.2	60.8
13 IPzB 1300	ELXTEF27	1300	221	52.0	11.0	65.9

Positive plate capacity 108 Ah, overall height 706mm, to lid top 676mm

Cell type		Ah @ C5 at 30°C	Length (mm)	Dry weight (kg)	Acid vol. (lt)	Filled weight (kg)
2 IPzB 216	EXTEF5	216	45	10.2	2.3	13.2
3 IPzB 324	EXTEF7	324	61	14.4	3.2	18.5
4 IPzB 432	EXTEF9	432	77	18.7	4.2	24.0
5 IPzB 540	EXTEF11	540	93	23.1	5.0	29.3
6 IPzB 648	EXTEF13	648	109	27.3	5.9	34.7
7 IPzB 756	EXTEF15	756	125	31.5	6.8	40.0
8 IPzB 864	EXTEF17	864	141	35.8	7.8	45.7
9 IPzB 972	EXTEF19	972	157	40.1	8.6	51.0
10 IPzB 1080	EXTEF21	1080	173	44.3	9.5	56.4
11 IPzB 1188	EXTEF23	1188	189	48.9	10.5	62.1
12 IPzB 1296	EXTEF25	1296	205	53.9	11.4	68.2
13 IPzB 1404	EXTEF27	1404	221	58.1	12.2	73.5

All dimensions and weights within reasonable tolerances



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to specification changes without notice*