



Extra Capacity, Extra Life

BS RANGE OF CELLS (158 MM WIDE)

Type of Cell	Ah@C5 at 30°C	Length (mm) +/-2mm	Width (mm) +/-2mm	Overall Height (mm) +/-5mm	Height upto lid top (mm) +/-5mm	Dry Weight (Kg.) +/-5%	Acid Volume (Ltr.)	Filled Weight (Kg.) +/-5%	Charging Current				
									Taper Charging -Single Step Charger			Equalising Rate (Amps.)	Constant Current Charging rate (Amps.)
									at 2.1 vpc		at 2.5 vpc		
									Taper 2:1 (Amps.)	Taper 1.7:1 (Amps.)	(Amps.)		
EXXVF5	64	47	158	294	264	4.3	1.0	5.5	8.0	7.2	4.8	1.9	3.8
EXXVF7	96	61	158	294	264	5.9	1.3	7.6	12.0	10.8	7.2	2.9	5.8
EXXVF9	128	77	158	294	264	7.5	1.7	9.8	16.0	14.4	9.6	3.8	7.7
EXXVFI1	160	93	158	294	264	9.2	2.1	11.8	20.0	18.0	12.0	4.8	9.6
EXXVFI3	192	109	158	294	264	10.8	2.5	14.0	24.0	21.6	14.4	5.8	11.5
EXXVFI5	224	125	158	294	264	12.5	2.8	16.1	28.0	25.2	16.8	6.7	13.4
EXXVFI7	256	141	158	294	264	14.1	3.2	18.3	32.0	28.8	19.2	7.7	15.4
EXXVFI9	288	157	158	294	264	16.4	3.6	21.0	36.0	32.4	21.6	8.6	17.3
EXXVF21	320	173	158	294	264	18.0	4.0	23.1	40.0	36.0	24.0	9.6	19.2
EXXVF23	352	189	158	294	264	19.7	4.4	25.3	44.0	39.6	26.4	10.6	21.1
EXXVF25	384	205	158	294	264	21.3	4.7	27.4	48.0	43.2	28.8	11.5	23.0
EXXVF27	416	221	158	294	264	22.9	5.1	29.5	52.0	46.8	31.2	12.5	25.0
EXIMF5	84	47	158	353	323	5.3	1.3	6.9	10.5	9.5	6.3	2.5	5.0
EXIMF7	126	61	158	353	323	7.4	1.8	9.7	15.8	14.2	9.5	3.8	7.6
EXIMF9	168	77	158	353	323	9.5	2.3	12.5	21.0	18.9	12.6	5.0	10.1
EXIMFI1	210	93	158	353	323	11.6	2.8	15.2	26.3	23.6	15.8	6.3	12.6
EXIMFI3	252	109	158	353	323	13.7	3.3	18.0	31.5	28.4	18.9	7.6	15.1
EXIMFI5	294	125	158	353	323	15.8	3.8	20.7	36.8	33.1	22.1	8.8	17.6
EXIMFI7	336	141	158	353	323	18.0	4.3	23.6	42.0	37.8	25.2	10.1	20.2
EXIMFI9	378	157	158	353	323	20.7	4.8	26.9	47.3	42.5	28.4	11.3	22.7
EXIMF21	420	173	158	353	323	22.8	5.3	29.7	52.5	47.3	31.5	12.6	25.2
EXIMF23	462	189	158	353	323	24.9	5.8	32.4	57.8	52.0	34.7	13.9	27.7
EXIMF25	504	205	158	353	323	27.0	6.3	35.3	63.0	56.7	37.8	15.1	30.2
EXIMF27	546	221	158	353	323	29.1	6.8	37.9	68.3	61.4	41.0	16.4	32.8
EXILF5	110	47	158	430	400	6.4	1.6	8.4	13.8	12.4	8.3	3.3	6.6
EXILF7	165	61	158	430	400	9.0	2.2	11.8	20.6	18.6	12.4	5.0	9.9
EXILF9	220	77	158	430	400	11.6	2.8	15.3	27.5	24.8	16.5	6.6	13.2
EXILFI1	275	93	158	430	400	14.5	3.4	18.8	34.4	30.9	20.6	8.3	16.5
EXILFI3	330	109	158	430	400	17.1	4.0	22.3	41.3	37.1	24.8	9.9	19.8
EXILFI5	385	125	158	430	400	19.8	4.6	25.7	48.1	43.3	28.9	11.6	23.1
EXILFI7	440	141	158	430	400	22.5	5.3	29.3	55.0	49.5	33.0	13.2	26.4
EXILFI9	495	157	158	430	400	25.7	5.9	33.3	61.9	55.7	37.1	14.9	29.7
EXILF21	550	173	158	430	400	28.3	6.5	36.7	68.8	61.9	41.3	16.5	33.0
EXILF23	605	189	158	430	400	31.1	7.1	40.3	75.6	68.1	45.4	18.2	36.3
EXILF25	660	205	158	430	400	33.7	7.7	43.7	82.5	74.3	49.5	19.8	39.6
EXILF27	715	221	158	430	400	36.4	8.3	47.1	89.4	80.4	53.6	21.5	42.9
EXTLF5	130	47	158	480	450	7.2	1.8	9.5	16.3	14.6	9.8	3.9	7.8
EXTLF7	195	61	158	480	450	10.2	2.4	13.4	24.4	21.9	14.6	5.9	11.7
EXTLF9	260	77	158	480	450	13.3	3.1	17.4	32.5	29.3	19.5	7.8	15.6
EXTLFI1	325	93	158	480	450	16.4	3.7	21.2	40.6	36.6	24.4	9.8	19.5
EXTLFI3	390	109	158	480	450	19.4	4.5	25.2	48.8	43.9	29.3	11.7	23.4
EXTLFI5	455	125	158	480	450	22.5	5.1	29.1	56.9	51.2	34.1	13.7	27.3
EXTLFI7	520	141	158	480	450	25.6	5.9	33.2	65.0	58.5	39.0	15.6	31.2
EXTLFI9	585	157	158	480	450	29.2	6.5	37.7	73.1	65.8	43.9	17.6	35.1
EXTLF21	650	173	158	480	450	32.2	7.2	41.5	81.3	73.1	48.8	19.5	39.0
EXTLF23	715	189	158	480	450	35.4	7.9	45.6	89.4	80.4	53.6	21.5	42.9
EXTLF25	780	205	158	480	450	38.4	8.6	49.5	97.5	87.8	58.5	23.4	46.8
EXTLF27	845	221	158	480	450	41.5	9.2	53.4	105.6	95.1	63.4	25.4	50.7



Extra Capacity, Extra Life

BS RANGE OF CELLS (158 MM WIDE) CONTD.

Type of Cell	Ah@C5 at 30°C	Length (mm) +/-2mm	Width (mm) +/-2mm	Overall Height (mm) +/-5mm	Height upto lid top (mm) +/-5mm	Dry Weight (Kg.) +/-5%	Acid Volume (Ur.)	Filled Weight (Kg.) +/-5%	Charging Current				
									Taper Charging-Single Step Charger			Equalising Rate (Amps.)	Constant Current Charging rate (Amps.)
									at 2.1vpc		at 2.5 vpc		
									Taper 2:1 (Amps.)	Taper 1.7:1 (Amps.)	(Amps.)		
EXTHF5	150	47	158	539	509	8.2	2.0	10.7	18.8	16.9	11.3	4.5	9.0
EXTHF7	225	61	158	539	509	11.7	2.7	15.1	28.1	25.3	16.9	6.8	13.5
EXTHF9	300	77	158	539	509	15.1	3.5	19.7	37.5	33.8	22.5	9.0	18.0
EXTHF11	375	93	158	539	509	18.6	4.2	24.0	46.9	42.2	28.1	11.3	22.5
EXTHF13	450	109	158	539	509	22.0	5.0	28.5	56.3	50.6	33.8	13.5	27.0
EXTHF15	525	125	158	539	509	22.5	5.7	32.8	65.6	59.1	39.4	15.8	31.5
EXTHF17	600	141	158	539	509	29.0	6.5	37.5	75.0	67.5	45.0	18.0	36.0
EXTHF19	675	157	158	539	509	33.0	7.2	42.5	84.4	75.9	50.6	20.3	40.5
EXTHF21	750	173	158	539	509	36.4	8.0	46.7	93.8	84.4	56.3	22.5	45.0
EXTHF23	825	189	158	539	509	40.0	8.8	51.3	103.1	92.8	61.9	24.8	49.5
EXTHF25	900	205	158	539	509	43.4	9.5	55.7	112.5	101.3	67.5	27.0	54.0
EXTHF27	975	221	158	539	509	46.8	10.3	60.1	121.9	109.7	73.1	29.3	58.5
EXTOF5	172	47	158	597	567	8.8	2.2	11.7	21.5	19.4	12.9	5.2	10.3
EXTOF7	258	61	158	597	567	12.8	3.0	16.7	32.3	29.0	19.4	7.7	15.5
EXTOF9	344	77	158	597	567	16.7	3.9	21.7	43.0	38.7	25.8	10.3	20.6
EXTOF11	430	93	158	597	567	20.6	4.7	26.6	53.8	48.4	32.3	12.9	25.8
EXTOF13	516	109	158	597	567	24.5	5.6	31.7	64.5	58.1	38.7	15.5	31.0
EXTOF15	602	125	158	597	567	28.4	6.4	36.7	75.3	67.7	45.2	18.1	36.1
EXTOF17	688	141	158	597	567	32.4	7.3	41.9	86.0	77.4	51.6	20.6	41.3
EXTOF19	774	157	158	597	567	36.9	8.1	47.4	96.8	87.1	58.1	23.2	46.4
EXTOF21	860	173	158	597	567	40.7	9.0	52.3	107.5	96.8	64.5	25.8	51.6
EXTOF23	946	189	158	597	567	44.7	9.9	57.5	118.3	106.4	71.0	28.4	56.8
EXTOF25	1032	205	158	597	567	48.6	10.7	62.5	129.0	116.1	77.4	31.0	61.9
EXTOF27	1118	221	158	597	567	52.6	11.5	67.5	139.8	125.8	83.9	33.5	67.1
ELXTEF5	200	47	158	634	604	9.6	2.4	12.6	25.0	22.5	15.0	6.0	12.0
ELXTEF7	300	61	158	634	604	13.9	3.3	18.1	37.5	33.8	22.5	9.0	18.0
ELXTEF9	400	77	158	634	604	18.2	4.2	23.6	50.0	45.0	30.0	12.0	24.0
ELXTEF11	500	93	158	634	604	22.4	5.0	28.9	62.5	56.3	37.5	15.0	30.0
ELXTEF13	600	109	158	634	604	26.7	6.0	34.5	75.0	67.5	45.0	18.0	36.0
ELXTEF15	700	125	158	634	604	31.0	6.9	39.8	87.5	78.8	52.5	21.0	42.0
ELXTEF17	800	141	158	634	604	35.3	7.9	45.5	100.0	90.0	60.0	24.0	48.0
ELXTEF19	900	157	158	634	604	40.1	8.8	51.5	112.5	101.3	67.5	27.0	54.0
ELXTEF21	1000	173	158	634	604	44.3	9.7	56.8	125.0	112.5	75.0	30.0	60.0
ELXTEF23	1100	189	158	634	604	48.7	10.6	62.4	137.5	123.8	82.5	33.0	66.0
ELXTEF25	1200	205	158	634	604	52.9	11.5	67.8	150.0	135.0	90.0	36.0	72.0
ELXTEF27	1300	221	158	634	604	57.2	12.4	73.2	162.5	146.3	97.5	39.0	78.0
EXTEF5	216	47	158	708	678	10.7	2.6	14.1	27.0	24.3	16.2	6.5	13.0
EXTEF7	324	61	158	708	678	15.5	3.6	20.2	40.5	36.5	24.3	9.7	19.4
EXTEF9	432	77	158	708	678	20.3	4.7	26.3	54.0	48.6	32.4	13.0	25.9
EXTEF11	540	93	158	708	678	25.0	5.6	32.3	67.5	60.8	40.5	16.2	32.4
EXTEF13	648	109	158	708	678	29.8	6.7	38.4	81.0	72.9	48.6	19.4	38.9
EXTEF15	756	125	158	708	678	34.5	7.6	44.4	94.5	85.1	56.7	22.7	45.4
EXTEF17	864	141	158	708	678	39.4	8.8	50.7	108.0	97.2	64.8	25.9	51.8
EXTEF19	972	157	158	708	678	44.7	9.7	57.3	121.5	109.4	72.9	29.2	58.3
EXTEF21	1080	173	158	708	678	49.3	10.7	63.2	135.0	121.5	81.0	32.4	64.8
EXTEF23	1188	189	158	708	678	54.3	11.8	69.5	148.5	133.7	89.1	35.6	71.3
EXTEF25	1296	205	158	708	678	59.0	12.8	75.6	162.0	145.8	97.2	38.9	77.8
EXTEF27	1404	221	158	708	678	63.8	13.7	81.6	175.5	158.0	105.3	42.1	84.2



Extra Capacity, Extra Life

DIN RANGE OF CELLS (198 MM WIDE)

Type of Cell	Ah@C5 at 30°C	Length (mm) +/- 2mm	Width (mm) +/- 2mm	Overall Height (mm) +/- 5mm	Height upto lid top (mm) +/- 5mm	Dry Weight (Kg.) +/- 5%	Acid Volume (Ltr.)	Filled Weight (Kg.) +/- 5%	Charging Current				
									Taper Charging-Single Step Charger			Equalising Rate (Amps.)	Constant Current Charging rate (Amps.)
									at 2.1 vpc		at 2.5 vpc		
									Taper 2:1 (Amps)	Taper 1.7:1 (Amps.)	(Amps.)	(Amps.)	(Amps.)
EXWAF5	120	47	198	362	332	6.6	1.4	8.4	15.0	13.5	9.0	3.6	7.2
EXWAF7	180	65	198	362	332	9.5	2.2	12.3	22.5	20.3	13.5	5.4	10.8
EXWAF9	240	83	198	362	332	12.3	3.0	16.1	30.0	27.0	18.0	7.2	14.4
EXWAF11	300	101	198	362	332	15.1	3.6	19.8	37.5	33.8	22.5	9.0	18.0
EXWAF13	360	119	198	362	332	17.9	4.4	23.6	45.0	40.5	27.0	10.8	21.6
EXWAF15	420	137	198	362	332	20.8	5.1	27.3	52.5	47.3	31.5	12.6	25.2
EXWAF17	480	155	198	362	332	23.6	5.8	31.1	60.0	54.0	36.0	14.4	28.8
EXWAF19	540	173	198	362	332	26.4	6.6	35.0	67.5	60.8	40.5	16.2	32.4
EXWAF21	600	191	198	362	332	29.3	7.3	38.6	75.0	67.5	45.0	18.0	36.0
EXWBF5	160	47	198	430	400	8.8	1.7	11.0	20.0	18.0	12.0	4.8	9.6
EXWBF7	240	65	198	430	400	12.5	2.7	16.0	30.0	27.0	18.0	7.2	14.4
EXWBF9	320	83	198	430	400	16.2	3.6	20.8	40.0	36.0	24.0	9.6	19.2
EXWBF11	400	101	198	430	400	19.9	4.4	25.6	50.0	45.0	30.0	12.0	24.0
EXWBF13	480	119	198	430	400	23.6	5.4	30.5	60.0	54.0	36.0	14.4	28.8
EXWBF15	560	137	198	430	400	27.3	6.2	35.3	70.0	63.0	42.0	16.8	33.6
EXWBF17	640	155	198	430	400	31.0	7.1	40.1	80.0	72.0	48.0	19.2	38.4
EXWBF19	720	173	198	430	400	34.7	8.0	45.0	90.0	81.0	54.0	21.6	43.2
EXWBF21	800	191	198	430	400	38.4	8.8	49.8	100.0	90.0	60.0	24.0	48.0
EXWCF5	180	47	198	490	460	9.3	2.0	11.9	22.5	20.3	13.5	5.4	10.8
EXWCF7	270	65	198	490	460	13.5	3.1	17.6	33.8	30.4	20.3	8.1	16.2
EXWCF9	360	83	198	490	460	17.6	4.2	23.0	45.0	40.5	27.0	10.8	21.6
EXWCF11	450	101	198	490	460	21.8	5.1	28.4	56.3	50.6	33.8	13.5	27.0
EXWCF13	540	119	198	490	460	26.0	6.2	34.0	67.5	60.8	40.5	16.2	32.4
EXWCF15	630	137	198	490	460	30.1	7.2	39.4	78.8	70.9	47.3	18.9	37.8
EXWCF17	720	155	198	490	460	34.3	8.2	44.9	90.0	81.0	54.0	21.6	43.2
EXWCF19	810	173	198	490	460	38.4	9.3	50.4	101.3	91.1	60.8	24.3	48.6
EXWCF21	900	191	198	490	460	42.6	10.2	55.8	112.5	101.3	67.5	27.0	54.0
EHWCF5	210	47	198	540	510	10.5	2.2	13.4	26.3	23.6	15.8	6.3	12.6
EHWCF7	315	65	198	540	510	15.3	3.5	19.7	39.4	35.4	23.6	9.5	18.9
EHWCF9	420	83	198	540	510	19.9	4.6	25.9	52.5	47.3	31.5	12.6	25.2
EHWCF11	525	101	198	540	510	24.6	5.7	32.0	65.6	59.1	39.4	15.8	31.5
EHWCF13	630	119	198	540	510	29.3	6.9	38.2	78.8	70.9	47.3	18.9	37.8
EHWCF15	735	137	198	540	510	34.0	8.0	44.3	91.9	82.7	55.1	22.1	44.1
EHWCF17	840	155	198	540	510	38.7	9.1	50.5	105.0	94.5	63.0	25.2	50.4
EHWCF19	945	173	198	540	510	43.4	10.3	56.8	118.1	106.3	70.9	28.4	56.7
EHWCF21	1050	191	198	540	510	48.1	11.4	62.9	131.3	118.1	78.8	31.5	63.0



Extra Capacity, Extra Life

DIN RANGE OF CELLS (198 MM WIDE) CONTD.

Type of Cell	Ah@C5 at 30°C	Length (mm) +/-2mm	Width (mm) +/-2mm	Overall Height (mm) +/-5mm	Height upto lid top (mm) +/-5mm	Dry Weight (Kg.) +/-5%	Acid Volume (Ltr.)	Filled Weight (Kg.) +/-5%	Charging Current				
									Taper Charging - Single Step Charger			Equalising Rate (Amps.)	Constant Current Charging rate (Amps.)
									at 2.1 vpc				
									Taper 2:1 (Amps.)	Taper 1.7:1 (Amps.)	at 2.5 vpc (Amps.)		
ELXWEF5	230	47	198	565	535	11.1	2.3	14.1	26.8	25.9	17.3	6.9	13.8
ELXWEF7	345	65	198	565	535	16.1	3.7	20.9	43.1	38.8	25.9	10.4	20.7
ELXWEF9	460	83	198	565	535	21.1	4.9	27.4	57.5	51.8	34.5	13.8	27.6
ELXWEF11	575	101	198	565	535	26.1	6.0	33.8	71.9	64.7	43.1	17.3	34.5
ELXWEF13	690	119	198	565	535	31.0	7.3	40.4	86.3	77.6	51.8	20.7	41.4
ELXWEF15	805	137	198	565	535	36.0	8.4	46.8	100.6	90.6	60.4	24.2	48.3
ELXWEF17	920	155	198	565	535	41.0	9.6	53.4	115.0	103.5	69.0	27.6	55.2
ELXWEF19	1035	173	198	565	535	46.0	10.9	60.0	129.4	116.4	77.6	31.1	62.1
ELXWEF21	1150	191	198	565	535	51.0	12.0	66.4	143.8	129.4	86.3	34.5	69.0
EXWEF5	250	47	198	601	571	11.9	2.5	15.1	31.3	28.1	18.8	7.5	15.0
EXWEF7	375	65	198	601	571	17.3	3.9	22.4	46.9	42.2	28.1	11.3	22.5
EXWEF9	500	83	198	601	571	22.7	5.2	29.4	62.5	56.3	37.5	15.0	30.0
EXWEF11	625	101	198	601	571	28.0	6.4	36.2	78.1	70.3	46.9	18.8	37.5
EXWEF13	750	119	198	601	571	33.4	7.8	43.4	93.8	84.4	56.3	22.5	45.0
EXWEF15	875	137	198	601	571	38.7	9.0	50.3	109.4	98.4	65.6	26.3	52.5
EXWEF17	1000	155	198	601	571	44.1	10.3	57.3	125.0	112.5	75.0	30.0	60.0
EXWEF19	1125	173	198	601	571	49.4	11.6	64.4	140.6	126.6	84.4	33.8	67.5
EXWEF21	1250	191	198	601	571	54.8	12.8	71.3	156.3	140.6	93.8	37.5	75.0
ELXWFF5	280	47	198	715	685	13.8	3.0	17.7	35.0	31.5	21.0	8.4	16.8
ELXWFF7	420	65	198	715	685	20.2	4.7	26.2	52.5	47.3	31.5	12.6	25.2
ELXWFF9	560	83	198	715	685	26.4	6.3	34.5	70.0	63.0	42.0	16.8	33.6
ELXWFF11	700	101	198	715	685	32.7	7.7	42.6	87.5	78.8	52.5	21.0	42.0
ELXWFF13	840	119	198	715	685	38.9	9.3	51.0	105.0	94.5	63.0	25.2	50.4
ELXWFF15	980	137	198	715	685	45.2	10.8	59.1	122.5	110.3	73.5	29.4	58.8
ELXWFF17	1120	155	198	715	685	51.5	12.3	67.4	140.0	126.0	84.0	33.6	67.2
ELXWFF19	1260	173	198	715	685	57.8	14.0	75.8	157.5	141.8	94.5	37.8	75.6
ELXWFF21	1400	191	198	715	685	64.1	15.4	83.9	175.0	157.5	105.0	42.0	84.0
EXWFF5	310	47	198	742	712	14.8	3.2	18.9	38.8	34.9	23.3	9.3	18.6
EXWFF7	465	65	198	742	712	21.5	4.9	27.8	58.1	52.3	34.9	14.0	27.9
EXWFF9	620	83	198	742	712	28.0	6.5	36.5	77.5	69.8	46.5	18.6	37.2
EXWFF11	775	101	198	742	712	34.6	8.1	45.0	96.9	87.2	58.1	23.3	46.5
EXWFF13	930	119	198	742	712	41.1	9.8	53.8	116.3	104.6	69.8	27.9	55.8
EXWFF15	1085	137	198	742	712	47.7	11.3	62.3	135.6	122.1	81.4	32.6	65.1
EXWFF17	1240	155	198	742	712	54.3	12.9	71.0	155.0	139.5	93.0	37.2	74.4
EXWFF19	1395	173	198	742	712	60.9	14.6	79.8	174.4	156.9	104.6	41.9	83.7
EXWFF21	1550	191	198	742	712	67.5	16.1	88.3	193.8	174.4	116.3	46.5	93.0



The HSP Motive Power Batteries

EXIDE HSP CLASSIC MOTIVE POWER RANGE BS RANGE CELLS (158 MM WIDE)

Type of Cell	Ah@C5 at 30°C	Cell Dimension in				Cell Weights in Kg.		Quantity of Acid (Ltr.)	Charging Current in Amperes				
		Length +/-2mm	Width +/-2mm	Overall Height +/-5mm	Height upto Lld Top +/-5mm	Without Acid +/-5%	With Acid +/-5%		Taper charging Single Step Charger			Equalising rate (Amps)	Constant Current charging rate (Amps)
									at 2.1 vpc		at 2.5 vpc (Amps)		
									Taper 2:1 (Amps)	Taper 1.7:1 (Amps)			
XVF5	58	47	158	290	260	3.8	5.0	0.9	7.3	6.5	4.4	1.7	3.5
XVF7	87	61	158	290	260	5.3	6.8	1.2	10.9	9.8	6.5	2.6	5.2
XVF9	116	77	158	290	260	6.8	8.9	1.6	14.5	13.1	8.7	3.5	7.0
XVF11	145	93	158	290	260	8.2	10.7	1.9	18.1	16.3	10.9	4.4	8.7
XVF13	174	109	158	290	260	9.7	12.7	2.3	21.8	19.6	13.1	5.2	10.4
XVF15	203	125	158	290	260	11.2	14.6	2.6	25.4	22.8	15.2	6.1	12.2
XVF17	232	141	158	290	260	12.7	16.6	3.0	29.0	26.1	17.4	7.0	13.9
XVF19	261	157	158	290	260	14.7	19.0	3.3	32.6	29.4	19.6	7.8	15.7
XVF21	290	173	158	290	260	16.3	20.9	3.6	36.3	32.6	21.8	8.7	17.4
XVF23	319	189	158	290	260	17.8	23.0	4.0	39.9	35.9	23.9	9.6	19.1
XVF25	348	205	158	290	260	19.3	25.0	4.4	43.5	39.2	26.1	10.4	20.9
XVF27	377	221	158	290	260	20.7	26.8	4.7	47.1	42.4	28.3	11.3	22.6
IMF5	80	47	158	369	339	4.8	6.3	1.2	10.0	9.0	6.0	2.4	4.8
IMF7	120	61	158	369	339	6.7	8.9	1.7	15.0	13.5	9.0	3.6	7.2
IMF9	160	77	158	369	339	8.6	11.5	2.2	20.0	18.0	12.0	4.8	9.6
IMF11	200	93	158	369	339	10.6	14.0	2.6	25.0	22.5	15.0	6.0	12.0
IMF13	240	109	158	369	339	12.5	16.6	3.2	30.0	27.0	18.0	7.2	14.4
IMF15	280	125	158	369	339	14.4	19.1	3.6	35.0	31.5	21.0	8.4	16.8
IMF17	320	141	158	369	339	16.4	21.8	4.2	40.0	36.0	24.0	9.6	19.2
IMF19	360	157	158	369	339	18.9	24.8	4.6	45.0	40.5	27.0	10.8	21.6
IMF21	400	173	158	369	339	20.9	27.5	5.1	50.0	45.0	30.0	12.0	24.0
IMF23	440	189	158	369	339	22.9	30.1	5.6	55.0	49.5	33.0	13.2	26.4
IMF25	480	205	158	369	339	24.8	32.6	6.1	60.0	54.0	36.0	14.4	28.8
IMF27	520	221	158	369	339	26.7	35.2	6.6	65.0	58.5	39.0	15.6	31.2
ILF5	96	47	158	437	407	5.7	7.5	1.4	12.0	10.8	7.2	2.9	5.8
ILF7	144	61	158	437	407	8.0	10.6	2.0	18.0	16.2	10.8	4.3	8.6
ILF9	193	77	158	437	407	10.4	13.7	2.6	24.1	21.7	14.5	5.8	11.6
ILF11	241	93	158	437	407	12.7	16.7	3.1	30.1	27.1	18.1	7.2	14.5
ILF13	290	109	158	437	407	15.0	19.8	3.7	36.3	32.6	21.8	8.7	17.4
ILF15	336	125	158	437	407	17.4	22.8	4.3	42.0	37.8	25.2	10.1	20.2
ILF17	385	141	158	437	407	19.7	26.0	4.9	48.1	43.3	28.9	11.6	23.1
ILF19	432	157	158	437	407	22.6	29.6	5.4	54.0	48.6	32.4	13.0	25.9
ILF21	482	173	158	437	407	24.9	32.7	6.0	60.3	54.2	36.2	14.5	28.9
ILF23	528	189	158	437	407	27.4	35.9	6.6	66.0	59.4	39.6	15.8	31.7
ILF25	578	205	158	437	407	29.7	38.9	7.2	72.3	65.0	43.4	17.3	34.7
ILF27	624	221	158	437	407	32.0	42.0	7.7	78.0	70.2	46.8	18.7	37.4
TLF5	110	47	158	488	458	6.4	8.5	1.6	13.8	12.4	8.3	3.3	6.6
TLF7	166	61	158	488	458	9.0	11.9	2.3	20.8	18.7	12.5	5.0	10.0
TLF9	221	77	158	488	458	11.7	15.5	2.9	27.6	24.9	16.6	6.6	13.3
TLF11	277	93	158	488	458	14.3	18.9	3.5	34.6	31.2	20.8	8.3	16.6
TLF13	332	109	158	488	458	17.0	22.4	4.2	41.5	37.4	24.9	10.0	19.9
TLF15	385	125	158	488	458	19.6	25.9	4.8	48.1	43.3	28.9	11.6	23.1
TLF17	443	141	158	488	458	22.8	30.0	5.6	55.4	49.8	33.2	13.3	26.6
TLF19	495	157	158	488	458	25.5	33.4	6.2	61.9	55.7	37.1	14.9	29.7
TLF21	553	173	158	488	458	28.1	36.9	6.8	69.1	62.2	41.5	16.6	33.2
TLF23	605	189	158	488	458	30.9	40.5	7.5	75.6	68.1	45.4	18.2	36.3
TLF25	664	205	158	488	458	33.5	44.0	8.1	83.0	74.7	49.8	19.9	39.8
TLF27	715	221	158	488	458	36.2	47.5	8.8	89.4	80.4	53.6	21.5	42.9



The HSP Motive Power Batteries

EXIDE HSP CLASSIC MOTIVE POWER RANGE CONTD. BS RANGE CELLS (158 MM WIDE)

Type of Cell	Ah@C5 at 30°C	Cell Dimension in mm				Cell Weights in Kg.		Quantity of Acid (Ltr.)	Charging Current in Amperes				
		Length +/-2mm	Width +/-2mm	Overall Height +/-5mm	Height upto Lid Top +/-5mm	Without Acid +/-5%	With Acid +/-5%		Taper charging Single Step Charger			Equalising rate (Amps)	Constant Current charging rate (Amps)
									at 2.1 vpc		at 2.5 vpc (Amps)		
									Taper 2:1 (Amps)	Taper 1.7:1 (Amps)			
THF5	129	47	158	544	514	7.2	9.6	1.8	16.1	14.5	9.7	3.9	7.7
THF7	194	61	158	544	514	10.2	13.5	2.6	24.3	21.8	14.6	5.8	11.6
THF9	258	77	158	544	514	13.2	17.5	3.3	32.3	29.0	19.4	7.7	15.5
THF11	323	93	158	544	514	16.2	21.3	4.0	40.4	36.3	24.2	9.7	19.4
THF13	387	109	158	544	514	19.2	25.3	4.8	48.4	43.5	29.0	11.6	23.2
THF15	453	125	158	544	514	22.1	29.2	5.5	56.6	51.0	34.0	13.6	27.2
THF17	516	141	158	544	514	25.7	33.8	6.3	64.5	58.1	38.7	15.5	31.0
THF19	582	157	158	544	514	28.7	37.7	7.0	72.8	65.5	43.7	17.5	34.9
THF21	645	173	158	544	514	31.6	41.6	7.7	80.6	72.5	48.4	19.4	38.7
THF23	712	189	158	544	514	34.7	45.7	8.5	89.0	80.1	53.4	21.4	42.7
THF25	775	205	158	544	514	37.7	49.6	9.2	96.9	87.2	58.1	23.3	46.5
THF27	841	221	158	544	514	40.7	53.5	9.9	105.1	94.6	63.1	25.2	50.5



The HSP Motive Power Batteries

EXIDE HSP CLASSIC MOTIVE POWER RANGE

DIN RANGE CELLS (198 MM WIDE)

Type of Cell	Ah@C5 at 30°C	Cell Dimension In mm				Cell Weights In Kg.		Quantity of Acid (Ltr.)	Charging Current in Amperes				
		Length +/-2mm	Width +/-2mm	Overall Height +/-5mm	Height upto Lid Top +/-5mm	Without Acid +/-5%	With Acid +/-5%		Taper charging Single Step Charger			Equalising rate (Amps)	Constant Current charging rate (Amps)
									at 2.1 vpc		at 2.5 vpc (Amps)		
									Taper 2:1 (Amps)	Taper 1.7:1 (Amps)			
XWAF5	120	47	198	378	348	6.4	8.3	1.5	15.0	13.5	9.0	3.6	7.2
XWAF7	180	65	198	378	348	9.1	12.1	2.3	22.5	20.3	13.5	5.4	10.8
XWAF9	240	83	198	378	348	11.8	15.7	3.0	30.0	27.0	18.0	7.2	14.4
XWAF11	300	101	198	378	348	14.5	19.3	3.7	37.5	33.8	22.5	9.0	18.0
XWAF13	360	119	198	378	348	17.3	23.1	4.5	45.0	40.5	27.0	10.8	21.6
XWAF15	420	137	198	378	348	20.0	26.7	5.2	52.5	47.3	31.5	12.6	25.2
XWAF17	480	155	198	378	348	22.8	30.5	5.9	60.0	54.0	36.0	14.4	28.8
XWAF19	540	173	198	378	348	25.5	34.2	6.7	67.5	60.8	40.5	16.2	32.4
XWAF21	600	191	198	378	348	28.3	37.8	7.4	75.0	67.5	45.0	18.0	36.0
XWBF5	160	47	198	445	415	8.2	10.5	1.7	20.0	18.0	12.0	4.8	9.6
XWBF7	240	65	198	445	415	11.7	15.3	2.7	30.0	27.0	18.0	7.2	14.4
XWBF9	320	83	198	445	415	15.2	19.9	3.6	40.0	36.0	24.0	9.6	19.2
XWBF11	400	101	198	445	415	18.6	24.4	4.5	50.0	45.0	30.0	12.0	24.0
XWBF13	480	119	198	445	415	22.1	29.1	5.4	60.0	54.0	36.0	14.4	28.8
XWBF15	560	137	198	445	415	25.6	33.7	6.3	70.0	63.0	42.0	16.8	33.6
XWBF17	640	155	198	445	415	29.2	38.4	7.3	80.0	72.0	48.0	19.2	38.4
XWBF19	720	173	198	445	415	32.6	43.1	8.1	90.0	81.0	54.0	21.6	43.2
XWBF21	800	191	198	445	415	36.1	47.7	9.0	100.0	90.0	60.0	24.0	48.0
XWCF5	180	47	198	494	464	9.3	11.9	2.0	22.5	20.3	13.5	5.4	10.8
XWCF7	270	65	198	494	464	13.5	17.6	3.1	33.8	30.4	20.3	8.1	16.2
XWCF9	360	83	198	494	464	17.6	23.0	4.2	45.0	40.5	27.0	10.8	21.6
XWCF11	450	101	198	494	464	21.8	28.4	5.1	56.3	50.6	3.8	13.5	27.0
XWCF13	540	119	198	494	464	26.0	34.0	6.2	67.5	60.8	40.5	16.2	32.4
XWCF15	630	137	198	494	464	30.1	39.4	7.2	78.8	70.9	47.3	18.9	37.8
XWCF17	720	155	198	494	464	34.3	44.9	8.2	90.0	81.0	54.0	21.6	43.2
XWCF19	810	173	198	494	464	38.4	50.4	9.3	101.3	91.1	60.8	24.3	48.6
XWCF21	900	191	198	494	464	42.6	55.8	10.2	112.5	101.3	67.5	27.0	54.0
LXWEF5	220	47	198	582	552	11.5	14.5	2.3	27.5	24.8	16.5	6.6	13.2
LXWEF7	330	65	198	582	552	16.5	21.2	3.7	41.3	37.1	24.8	9.9	19.8
LXWEF9	440	83	198	582	552	21.4	27.7	4.9	55.0	49.5	33.0	13.2	26.4
LXWEF11	550	101	198	582	552	26.3	34.1	6.0	68.8	61.9	41.3	16.5	33.0
LXWEF13	660	119	198	582	552	31.2	40.7	7.3	82.5	74.3	49.5	19.8	39.6
LXWEF15	770	137	198	582	552	36.2	47.1	8.5	96.3	86.6	57.8	23.1	46.2
LXWEF17	880	155	198	582	552	41.2	53.7	9.7	110.0	99.0	66.0	26.4	52.8
LXWEF19	990	173	198	582	552	46.1	60.3	11.0	123.8	111.4	74.3	29.7	59.4
LXWEF21	1100	191	198	582	552	51.1	66.6	12.1	137.5	123.8	82.5	33.0	66.0



The HSP Motive Power Batteries

EXIDE HSP CLASSIC MOTIVE POWER RANGE CONTD. DIN RANGE CELLS (198 MM WIDE)

Type of Cell	Ah@C5 at 30°C	Cell Dimension In mm				Cell Weights In Kg.			Charging Current In Amperes				
		Length +/- 2mm	Width +/- 2mm	Overall Height +/- 5mm	Height upto Lld Top +/- 5mm	Without Acid +/- 5%	With Acid +/- 5%	Quantity of Acid (Ur.)	Taper charging Single Step Charger			Equalising rate (Amps)	Constant Current charging rate (Amps)
									at 2.1 vpc		at 2.5 vpc (Amps)		
									Taper 2:1 (Amps)	Taper 1.7:1 (Amps)			
XWFF5	220	47	198	611	581	11.8	15.1	2.5	27.5	24.8	16.5	6.6	13.2
XWFF7	330	65	198	611	581	16.8	22.0	4.0	41.3	37.1	24.8	9.9	19.8
XWFF9	440	83	198	611	581	21.7	28.6	5.3	55.0	49.5	33.0	13.2	26.4
XWFF11	550	101	198	611	581	26.6	35.1	6.5	68.8	61.9	41.3	16.5	33.0
XWFF13	660	119	198	611	581	31.6	41.8	7.9	82.5	74.3	49.5	19.8	39.6
XWFF15	770	137	198	611	581	36.5	48.4	9.2	96.3	86.6	57.8	23.1	46.2
XWFF17	880	155	198	611	581	41.7	55.3	10.5	110.0	99.0	66.0	26.4	52.8
XWFF19	990	173	198	611	581	46.7	62.0	11.9	123.8	111.4	74.3	29.7	59.4
XWFF21	1100	191	198	611	581	51.6	68.5	13.1	137.5	123.8	82.5	33.0	66.0
LXWFF5	280	47	198	729	699	14.3	18.3	3.0	35.0	31.5	21.0	8.4	16.8
LXWFF7	420	65	198	729	699	20.5	26.7	4.8	52.5	47.3	31.5	12.6	25.2
LXWFF9	560	83	198	729	699	26.6	34.8	6.4	70.0	63.0	42.0	16.8	33.6
LXWFF11	700	101	198	729	699	32.6	42.7	7.8	87.5	78.8	52.5	21.0	42.0
LXWFF13	840	119	198	729	699	38.7	51.0	9.5	105.0	94.5	63.0	25.2	50.4
LXWFF15	980	137	198	729	699	44.8	59.0	11.0	127.5	110.3	73.5	29.4	58.8
LXWFF17	1120	155	198	729	699	51.2	67.4	12.6	140.0	126.0	84.0	33.6	67.2
LXWFF19	1260	173	198	729	699	57.3	75.6	14.2	157.5	141.8	94.5	37.8	75.6
LXWFF21	1400	191	198	729	699	63.4	83.6	15.7	175.0	157.5	105.0	42.0	84.0
XWFF5	280	47	198	753	723	14.4	18.6	3.2	35.0	31.5	21.0	8.4	16.8
XWFF7	420	65	198	753	723	20.6	27.1	5.0	52.5	47.3	31.5	12.6	25.2
XWFF9	560	83	198	753	723	26.7	35.3	6.6	70.0	63.0	42.0	16.8	33.6
XWFF11	700	101	198	753	723	32.8	43.4	8.2	87.5	78.8	52.5	21.0	42.0
XWFF13	840	119	198	753	723	39.0	51.8	9.9	105.5	94.5	63.0	25.2	50.4
XWFF15	980	137	198	753	723	45.1	59.9	11.5	122.5	110.3	73.5	29.4	58.8
XWFF17	1120	155	198	753	723	51.5	68.4	13.1	140.0	126.0	84.0	33.6	67.2
XWFF19	1260	173	198	753	723	57.6	76.8	14.8	157.5	141.8	94.5	37.8	75.6
XWFF21	1400	191	198	753	723	63.8	84.9	16.3	175.0	157.5	105.0	42.0	84.0