



Shenzhen Hypercell Co.,LTD

Li-Ion Polymer Battery Specifications

Type	Model No.	Nominal Voltage	Normal Capacity	Dimensions (mm)			Weight
		V	mAh	Thickness	Width	Length	g
**1018	HPL381018	3.7	35	3.8 ±0.2	10.0 ±0.5	18.0 ±1.5	0.9
	HPL431018	3.7	50	4.3 ±0.2	10.0 ±0.5	18.0 ±1.5	1.0
**1020	HPL251020	3.7	25	2.5 ±0.2	10.0 ±0.5	20.0 ±1.5	0.8
	HPL301020	3.7	30	3.0 ±0.2	10.0 ±0.5	20.0 ±1.5	0.9
	HPL401020	3.7	55	4.0 ±0.2	10.0 ±0.5	20.0 ±1.5	1.1
**1024	HPL321024	3.7	50	3.2 ±0.2	10.0 ±0.5	24.0 ±1.5	1.2
**1029	HPL411029	3.7	85	4.1 ±0.2	10.0 ±0.5	29.0 ±1.5	1.8
**1030	HPL301030	3.7	60	3.0 ±0.2	10.0 ±0.5	30.0 ±1.5	1.5
	HPL331030	3.7	70	3.3 ±0.2	10.0 ±0.5	30.0 ±1.5	1.6
	HPL401030	3.7	90	4.0 ±0.2	10.0 ±0.5	30.0 ±1.5	1.9
**1033	HPL301033	3.7	70	3.0 ±0.2	10.0 ±0.5	33.0 ±1.5	1.7
**1035	HPL251035	3.7	55	2.5 ±0.2	10.0 ±0.5	35.0 ±1.5	1.7
	HPL321035	3.7	75	3.2 ±0.2	10.0 ±0.5	35.0 ±1.5	1.8
	HPL431035	3.7	110	4.3 ±0.2	10.0 ±0.5	35.0 ±1.5	2.5
**1039	HPL401039	3.7	120	4.0 ±0.2	10.0 ±0.5	39.0 ±1.5	2.6
**1048	HPL301048	3.7	100	3.0 ±0.2	10.0 ±0.5	48.0 ±1.5	3.2
**1050	HPL601050	3.7	250	6.0 ±0.2	10.0 ±0.5	50.0 ±1.5	4.8
**1055	HPL331055	3.7	120	3.3 ±0.2	10.0 ±0.5	55.0 ±1.5	3.3
**1058	HPL371058	3.7	160	3.7 ±0.2	10.0 ±0.5	58.0 ±1.5	3.9
**1120	HPL381120	3.7	50	3.8 ±0.2	11.0 ±0.5	20.0 ±1.5	1.2
	HPL401120	3.7	55	4.0 ±0.2	11.0 ±0.5	20.0 ±1.5	1.3
**1124	HPL231124	3.7	25	2.3 ±0.2	11.0 ±0.5	24.0 ±1.5	1.0
	HPL281124	3.7	45	2.8 ±0.2	11.0 ±0.5	24.0 ±1.5	1.2
	HPL451124	3.7	85	4.5 ±0.2	11.0 ±0.5	24.0 ±1.5	1.7
**1132	HPL301132	3.7	80	3.0 ±0.2	11.0 ±0.5	32.0 ±1.5	1.8
**1165	HPL431165	3.7	250	4.3 ±0.2	11.0 ±0.5	65.0 ±1.5	5.7
**1218	HPL501218	3.7	60	5.0 ±0.2	12.0 ±0.5	18.0 ±1.5	1.4
**1219	HPL351219	3.7	45	3.5 ±0.2	12.0 ±0.5	19.0 ±1.5	1.2
	HPL481219	3.7	70	4.8 ±0.2	12.0 ±0.5	19.0 ±1.5	1.4
**1220	HPL301220	3.7	40	3.0 ±0.2	12.0 ±0.5	20.0 ±1.5	1.1

	HPL401220	3.7	65	4.0 ±0.2	12.0 ±0.5	20.0 ±1.5	1.3
	HPL451220	3.7	70	4.5 ±0.2	12.0 ±0.5	20.0 ±1.5	1.5
	HPL481220	3.7	80	4.8 ±0.2	12.0 ±0.5	20.0 ±1.5	1.6
	HPL601220	3.7	100	6.0 ±0.2	12.0 ±0.5	20.0 ±1.5	1.8
**1222	HPL281222	3.7	45	2.8 ±0.2	12.0 ±0.5	22.0 ±1.5	1.1
**1223	HPL381223	3.7	65	3.8 ±0.2	12.0 ±0.5	23.0 ±1.5	1.5
**1225	HPL401225	3.7	90	4.0 ±0.2	12.0 ±0.5	25.0 ±1.5	1.8
	HPL451225	3.7	100	4.5 ±0.2	12.0 ±0.5	25.0 ±1.5	2.0
**1229	HPL451229	3.7	105	4.5 ±0.2	12.0 ±0.5	29.0 ±1.5	2.5
**1230	HPL201230	3.7	30	2.0 ±0.2	12.0 ±0.5	30.0 ±1.5	1.4
	HPL351230	3.7	80	3.5 ±0.2	12.0 ±0.5	30.0 ±1.5	2.0
	HPL401230	3.7	100	4.0 ±0.2	12.0 ±0.5	30.0 ±1.5	2.3
	HPL431230	3.7	125	4.3 ±0.2	12.0 ±0.5	30.0 ±1.5	2.4
	HPL501230	3.7	130	5.0 ±0.2	12.0 ±0.5	30.0 ±1.5	2.8
	HPL601230	3.7	160	6.0 ±0.2	12.0 ±0.5	30.0 ±1.5	3.3
**1235	HPL251235	3.7	70	2.5 ±0.2	12.0 ±0.5	35.0 ±1.5	1.8
	HPL401235	3.7	120	4.0 ±0.2	12.0 ±0.5	35.0 ±1.5	2.8
	HPL501235	3.7	150	5.0 ±0.2	12.0 ±0.5	35.0 ±1.5	3.5
	HPL551235	3.7	180	5.5 ±0.2	12.0 ±0.5	35.0 ±1.5	3.8
	HPL601235	3.7	200	6.0 ±0.2	12.0 ±0.5	35.0 ±1.5	4.0
**1239	HPL381239	3.7	130	3.8 ±0.2	12.0 ±0.5	39.0 ±1.5	3.1
	HPL401239	3.7	135	4.0 ±0.2	12.0 ±0.5	39.0 ±1.5	3.2
**1240	HPL501240	3.7	170	5.0 ±0.2	12.0 ±0.5	40.0 ±1.5	4.0
	HPL701240	3.7	260	7.0 ±0.2	12.0 ±0.5	40.0 ±1.5	5.4
**1245	HPL451245	3.7	200	4.5 ±0.2	12.0 ±0.5	45.0 ±1.5	4.2
	HPL701245	3.7	300	7.0 ±0.2	12.0 ±0.5	45.0 ±1.5	6.0
**1416	HPL451416	3.7	50	4.5 ±0.2	14.0 ±0.5	16.0 ±1.5	1.2
**1417	HPL551417	3.7	70	5.5 ±0.2	14.0 ±0.5	17.0 ±1.5	1.6
**1419	HPL251419	3.7	35	2.5 ±0.2	14.0 ±0.5	19.0 ±1.5	1.0
**1421	HPL401421	3.7	80	4.0 ±0.2	14.0 ±0.5	21.0 ±1.5	1.7
**1422	HPL451422	3.7	95	4.5 ±0.2	14.0 ±0.5	22.0 ±1.5	2.0
**1428	HPL301428	3.7	80	3.0 ±0.2	14.0 ±0.5	28.0 ±1.5	2.0
	HPL401428	3.7	110	4.0 ±0.2	14.0 ±0.5	28.0 ±1.5	2.5
	HPL421428	3.7	120	4.2 ±0.2	14.0 ±0.5	28.0 ±1.5	2.7
**1429	HPL701429	3.7	220	7.0 ±0.2	14.0 ±0.5	29.0 ±1.5	4.3
**1430	HPL451430	3.7	150	4.5 ±0.2	14.0 ±0.5	30.0 ±1.5	3.0
	HPL551430	3.7	180	5.5 ±0.2	14.0 ±0.5	30.0 ±1.5	3.7
	HPL651430	3.7	210	6.5 ±0.2	14.0 ±0.5	30.0 ±1.5	4.5
**1435	HPL501435	3.7	200	5.0 ±0.2	14.0 ±0.5	35.0 ±1.5	4.2

	HPL701435	3.7	300	7.0 ±0.2	14.0 ±0.5	35.0 ±1.5	5.5
**1439	HPL701439	3.7	320	7.0 ±0.2	14.0 ±0.5	39.0 ±1.5	6.3
**1515	HPL401515	3.7	48	4.0 ±0.2	15.0 ±0.5	15.0 ±1.5	1.1
	HPL661515	3.7	85	6.6 ±0.2	15.0 ±0.5	15.0 ±1.5	1.5
**1518	HPL751518	3.7	130	7.5 ±0.2	15.0 ±0.5	18.0 ±1.5	2.3
**1525	HPL321525	3.7	80	3.2 ±0.2	15.0 ±0.5	25.0 ±1.5	1.9
**1528	HPL451528	3.7	120	4.5 ±0.2	15.0 ±0.5	28.0 ±1.5	3.0
	HPL501528	3.7	150	5.0 ±0.2	15.0 ±0.5	28.0 ±1.5	3.3
	HPL571528	3.7	190	5.7 ±0.2	15.0 ±0.5	28.0 ±1.5	3.7
	HPL701528	3.7	200	7.0 ±0.2	15.0 ±0.5	28.0 ±1.5	4.5
**1537	HPL501537	3.7	230	5.0 ±0.2	15.0 ±0.5	37.0 ±1.5	4.8
	HPL601537	3.7	260	6.0 ±0.2	15.0 ±0.5	37.0 ±1.5	5.6
**1550	HPL401550	3.7	280	4.0 ±0.2	15.0 ±0.5	50.0 ±1.5	5.5
**1575	HPL451575	3.7	450	4.5 ±0.2	15.0 ±0.5	75.0 ±1.5	9.8
**1624	HPL481624	3.7	120	4.8 ±0.2	16.0 ±0.5	24.0 ±1.5	2.9
**1630	HPL501630	3.7	200	5.0 ±0.2	16.0 ±0.5	30.0 ±1.5	4.0
**1643	HPL361643	3.7	200	3.6 ±0.2	16.0 ±0.5	43.0 ±1.5	4.6
	HPL501643	3.7	280	5.0 ±0.2	16.0 ±0.5	43.0 ±1.5	6.2
	HPL551643	3.7	330	5.5 ±0.2	16.0 ±0.5	43.0 ±1.5	6.9
	HPL651643	3.7	380	6.5 ±0.2	16.0 ±0.5	43.0 ±1.5	7.9
	HPL701643	3.7	400	7.0 ±0.2	16.0 ±0.5	43.0 ±1.5	8.4
	HPL751643	3.7	430	7.5 ±0.2	16.0 ±0.5	43.0 ±1.5	8.8
**1646	HPL501646	3.7	300	5.0 ±0.2	16.0 ±0.5	46.0 ±1.5	6.8
	HPL631646	3.7	430	6.3 ±0.2	16.0 ±0.5	46.0 ±1.5	8.2
	HPL781646	3.7	550	7.8 ±0.2	16.0 ±0.5	46.0 ±1.5	10.0
	HPL851646	3.7	600	8.5 ±0.2	16.0 ±0.5	46.0 ±1.5	10.5
**1719	HPL851719	3.7	200	8.5 ±0.2	17.0 ±0.5	19.0 ±1.5	3.4
**1723	HPL651723	3.7	150	6.5 ±0.2	17.0 ±0.5	23.0 ±1.5	3.7
**1725	HPL451725	3.7	120	4.5 ±0.2	17.0 ±0.5	25.0 ±1.5	3.0
	HPL651725	3.7	220	6.5 ±0.2	17.0 ±0.5	25.0 ±1.5	4.2
**1730	HPL251730	3.7	95	2.5 ±0.2	17.0 ±0.5	30.0 ±1.5	2.2
	HPL301730	3.7	120	3.0 ±0.2	17.0 ±0.5	30.0 ±1.5	2.7
	HPL401730	3.7	160	4.0 ±0.2	17.0 ±0.5	30.0 ±1.5	3.4
	HPL451730	3.7	180	4.5 ±0.2	17.0 ±0.5	30.0 ±1.5	3.8
	HPL551730	3.7	250	5.5 ±0.2	17.0 ±0.5	30.0 ±1.5	4.7
	HPL651730	3.7	280	6.5 ±0.2	17.0 ±0.5	30.0 ±1.5	5.4
	HPL751730	3.7	330	7.5 ±0.2	17.0 ±0.5	30.0 ±1.5	6.0
**1737	HPL501737	3.7	230	5.0 ±0.2	17.0 ±0.5	37.0 ±1.5	5.6
**1738	HPL961738	3.7	500	9.6 ±0.2	17.0 ±0.5	38.0 ±1.5	10.3

**1740	HPL501740	3.7	300	5.0 ±0.2	17.0 ±0.5	40.0 ±1.5	6.1
	HPL681740	3.7	420	6.8 ±0.2	17.0 ±0.5	40.0 ±1.5	8.0
	HPL801740	3.7	470	8.0 ±0.2	17.0 ±0.5	40.0 ±1.5	8.3
**1752	HPL331752	3.7	260	3.3 ±0.2	17.0 ±0.5	52.0 ±1.5	5.6
	HPL351752	3.7	280	3.5 ±0.2	17.0 ±0.5	52.0 ±1.5	6.0
	HPL381752	3.7	300	3.8 ±0.2	17.0 ±0.5	52.0 ±1.5	6.1
	HPL551752	3.7	450	5.5 ±0.2	17.0 ±0.5	52.0 ±1.5	9.3
	HPL601752	3.7	470	6.0 ±0.2	17.0 ±0.5	52.0 ±1.5	9.7
	HPL801752	3.7	730	8.0 ±0.2	17.0 ±0.5	52.0 ±1.5	12.7
**1772	HPL631772	3.7	800	6.3 ±0.2	17.0 ±0.5	72.0 ±1.5	14.7
**1818	HPL801818	3.7	170	8.0 ±0.2	18.0 ±0.5	18.0 ±1.5	3.1
**1830	HPL401830	3.7	175	4.0 ±0.2	18.0 ±0.5	30.0 ±1.5	3.6
**1834	HPL401834	3.7	200	4.0 ±0.2	18.0 ±0.5	34.0 ±1.5	4.2
	HPL461834	3.7	230	4.6 ±0.2	18.0 ±0.5	34.0 ±1.5	4.8
	HPL701834	3.7	380	7.0 ±0.2	18.0 ±0.5	34.0 ±1.5	7.3
**1838	HPL551838	3.7	330	5.5 ±0.2	18.0 ±0.5	38.0 ±1.5	6.8
**1866	HPL501866	3.7	420	5.0 ±0.2	18.0 ±0.5	66.0 ±1.5	11.8
**1885	HPL451885	3.7	730	4.5 ±0.2	18.0 ±0.5	85.0 ±1.5	13.9
**1920	HPL381920	3.7	90	3.8 ±0.2	19.0 ±0.5	20.0 ±1.5	2.1
**1927	HPL801927	3.7	320	8.0 ±0.2	19.0 ±0.5	27.0 ±1.5	6.3
**1936	HPL681936	3.7	430	6.8 ±0.2	19.0 ±0.5	36.0 ±1.5	8.0
**1938	HPL651938	3.7	420	6.5 ±0.2	19.0 ±0.5	38.0 ±1.5	8.2
**2020	HPL402020	3.7	100	4.0 ±0.2	20.0 ±0.5	20.0 ±1.5	2.3
	HPL502020	3.7	150	5.0 ±0.2	20.0 ±0.5	20.0 ±1.5	2.8
	HPL602020	3.7	180	6.0 ±0.2	20.0 ±0.5	20.0 ±1.5	3.3
	HPL702020	3.7	200	7.0 ±0.2	20.0 ±0.5	20.0 ±1.5	3.8
**2022	HPL762022	3.7	260	7.6 ±0.2	20.0 ±0.5	22.0 ±1.5	4.8
**2023	HPL302023	3.7	80	3.0 ±0.2	20.0 ±0.5	23.0 ±1.5	2.2
	HPL402023	3.7	125	4.0 ±0.2	20.0 ±0.5	23.0 ±1.5	2.8
	HPL452023	3.7	150	4.5 ±0.2	20.0 ±0.5	23.0 ±1.5	3.2
	HPL652023	3.7	240	6.5 ±0.2	20.0 ±0.5	23.0 ±1.5	4.4
**2025	HPL302025	3.7	100	3.0 ±0.2	20.0 ±0.5	25.0 ±1.5	2.5
	HPL352025	3.7	130	3.5 ±0.2	20.0 ±0.5	25.0 ±1.5	2.8
	HPL402025	3.7	140	4.0 ±0.2	20.0 ±0.5	25.0 ±1.5	3.2
	HPL432025	3.7	160	4.3 ±0.2	20.0 ±0.5	25.0 ±1.5	3.4
	HPL532025	3.7	200	5.3 ±0.2	20.0 ±0.5	25.0 ±1.5	4.1
	HPL602025	3.7	240	6.0 ±0.2	20.0 ±0.5	25.0 ±1.5	4.6
	HPL802025	3.7	320	8.0 ±0.2	20.0 ±0.5	25.0 ±1.5	6.0
**2028	HPL502028	3.7	220	5.0 ±0.2	20.0 ±0.5	28.0 ±1.5	4.6

**2030	HPL182030	3.7	45	1.8 ±0.2	20.0 ±0.5	30.0 ±1.5	2.0
	HPL302030	3.7	130	3.0 ±0.2	20.0 ±0.5	30.0 ±1.5	3.1
	HPL352030	3.7	160	3.5 ±0.2	20.0 ±0.5	30.0 ±1.5	3.6
	HPL402030	3.7	200	4.0 ±0.2	20.0 ±0.5	30.0 ±1.5	4.2
	HPL482030	3.7	250	4.8 ±0.2	20.0 ±0.5	30.0 ±1.5	4.9
	HPL582030	3.7	300	5.8 ±0.2	20.0 ±0.5	30.0 ±1.5	5.7
	HPL702030	3.7	360	7.0 ±0.2	20.0 ±0.5	30.0 ±1.5	6.9
	HPL802030	3.7	390	8.0 ±0.2	20.0 ±0.5	30.0 ±1.5	7.7
	HPL902030	3.7	480	9.0 ±0.2	20.0 ±0.5	30.0 ±1.5	8.5
**2033	HPL102033	3.7	600	10.0 ±0.2	20.0 ±0.5	33.0 ±1.5	10.5
**2035	HPL402035	3.7	240	3.0 ±0.2	20.0 ±0.5	35.0 ±1.5	4.9
	HPL502035	3.7	280	5.0 ±0.2	20.0 ±0.5	35.0 ±1.5	6.2
	HPL552035	3.7	350	5.5 ±0.2	20.0 ±0.5	35.0 ±1.5	6.8
	HPL102035	3.7	600	10.0 ±0.2	20.0 ±0.5	35.0 ±1.5	11.5
**2036	HPL802036	3.7	500	8.0 ±0.2	20.0 ±0.5	36.0 ±1.5	9.8
**2040	HPL402040	3.7	280	4.0 ±0.2	20.0 ±0.5	40.0 ±1.5	6.0
	HPL452040	3.7	320	4.5 ±0.2	20.0 ±0.5	40.0 ±1.5	6.6
	HPL502040	3.7	370	5.0 ±0.2	20.0 ±0.5	40.0 ±1.5	7.4
	HPL552040	3.7	380	5.5 ±0.2	20.0 ±0.5	40.0 ±1.5	7.8
	HPL602040	3.7	420	6.0 ±0.2	20.0 ±0.5	40.0 ±1.5	8.6
	HPL652040	3.7	450	6.5 ±0.2	20.0 ±0.5	40.0 ±1.5	9.4
	HPL702040	3.7	480	7.0 ±0.2	20.0 ±0.5	40.0 ±1.5	10.0
	HPL802040	3.7	580	8.0 ±0.2	20.0 ±0.5	40.0 ±1.5	11.2
**2048	HPL452048	3.7	400	4.5 ±0.2	20.0 ±0.5	48.0 ±1.5	8.2
	HPL752048	3.7	670	7.5 ±0.2	20.0 ±0.5	48.0 ±1.5	13.5
**2060	HPL402060	3.7	350	4.0 ±0.2	20.0 ±0.5	60.0 ±1.5	9.3
	HPL102060	3.7	1100	10.0 ±0.2	20.0 ±0.5	60.0 ±1.5	22.4
**2065	HPL352065	3.7	400	3.5 ±0.2	20.0 ±0.5	65.0 ±1.5	9.0
**2068	HPL502068	3.7	650	5.0 ±0.2	20.0 ±0.5	68.0 ±1.5	13.5
**2079	HPL462079	3.7	800	4.6 ±0.2	20.0 ±0.5	79.0 ±1.5	14.5
**2126	HPL922126	3.7	400	9.2 ±0.2	21.0 ±0.5	26.0 ±1.5	7.6
**2222	HPL302222	3.7	100	3.0 ±0.2	22.0 ±0.5	22.0 ±1.5	2.3
**2238	HPL752238	3.7	600	7.5 ±0.2	22.0 ±0.5	38.0 ±1.5	11.0
**2240	HPL552240	3.7	450	5.5 ±0.2	22.0 ±0.5	40.0 ±1.5	8.8
	HPL752240	3.7	650	7.5 ±0.2	22.0 ±0.5	40.0 ±1.5	11.7
**2244	HPL602244	3.7	540	6.0 ±0.2	22.0 ±0.5	44.0 ±1.5	10.7
**2248	HPL252248	3.7	200	2.5 ±0.2	22.0 ±0.5	48.0 ±1.5	4.5
	HPL502248	3.7	500	5.0 ±0.2	22.0 ±0.5	48.0 ±1.5	10.2

	HPL752248	3.7	750	7.5 ±0.2	22.0 ±0.5	48.0 ±1.5	14.6
	HPL802248	3.7	800	8.0 ±0.2	22.0 ±0.5	48.0 ±1.5	15.7
	HPL902248	3.7	900	9.0 ±0.2	22.0 ±0.5	48.0 ±1.5	17.5
**2260	HPL482260	3.7	600	4.8 ±0.2	22.0 ±0.5	60.0 ±1.5	12.6
**2294	HPL802294	3.7	1650	8.0 ±0.2	22.0 ±0.5	94.0 ±1.5	33.8
**2323	HPL302323	3.7	130	3.0 ±0.2	23.0 ±0.5	23.0 ±1.5	2.6
	HPL362323	3.7	165	3.6 ±0.2	23.0 ±0.5	23.0 ±1.5	3.0
	HPL902323	3.7	400	9.0 ±0.2	23.0 ±0.5	23.0 ±1.5	6.8
**2325	HPL502325	3.7	250	5.0 ±0.2	23.0 ±0.5	25.0 ±1.5	4.6
**2332	HPL662332	3.7	420	6.6 ±0.2	23.0 ±0.5	32.0 ±1.5	8.2
**2335	HPL252335	3.7	150	2.5 ±0.2	23.0 ±0.5	35.0 ±1.5	3.7
	HPL652335	3.7	450	6.5 ±0.2	23.0 ±0.5	35.0 ±1.5	9.2
	HPL752335	3.7	550	7.5 ±0.2	23.0 ±0.5	35.0 ±1.5	10.4
**2338	HPL482338	3.7	360	4.8 ±0.2	23.0 ±0.5	38.0 ±1.5	7.7
	HPL602338	3.7	480	6.0 ±0.2	23.0 ±0.5	38.0 ±1.5	9.4
	HPL652338	3.7	500	6.5 ±0.2	23.0 ±0.5	38.0 ±1.5	10.3
**2339	HPL302339	3.7	240	3.0 ±0.2	23.0 ±0.5	39.0 ±1.5	5.1
	HPL422339	3.7	330	4.2 ±0.2	23.0 ±0.5	39.0 ±1.5	7.0
	HPL452339	3.7	350	4.5 ±0.2	23.0 ±0.5	39.0 ±1.5	7.5
	HPL502339	3.7	420	5.0 ±0.2	23.0 ±0.5	39.0 ±1.5	8.3
	HPL562339	3.7	460	5.6 ±0.2	23.0 ±0.5	39.0 ±1.5	9.3
	HPL882339	3.7	750	8.8 ±0.2	23.0 ±0.5	39.0 ±1.5	14.0
**2425	HPL602425	3.7	255	6.0 ±0.2	24.0 ±0.5	25.0 ±1.5	5.6
**2487	HPL252487	3.7	370	2.5 ±0.2	24.0 ±0.5	87.0 ±1.5	10.8
**2523	HPL652523	3.7	280	6.5 ±0.2	25.0 ±0.5	23.0 ±1.5	5.7
**2525	HPL402525	3.7	200	4.0 ±0.2	25.0 ±0.5	25.0 ±1.5	4.0
	HPL462525	3.7	230	4.6 ±0.2	25.0 ±0.5	25.0 ±1.5	4.6
	HPL602525	3.7	300	6.0 ±0.2	25.0 ±0.5	25.0 ±1.5	5.9
	HPL802525	3.7	400	8.0 ±0.2	25.0 ±0.5	25.0 ±1.5	7.7
**2530	HPL252530	3.7	150	2.5 ±0.2	25.0 ±0.5	30.0 ±1.5	3.3
	HPL402530	3.7	250	4.0 ±0.2	25.0 ±0.5	30.0 ±1.5	5.2
	HPL452530	3.7	280	4.5 ±0.2	25.0 ±0.5	30.0 ±1.5	5.8
	HPL502530	3.7	330	5.0 ±0.2	25.0 ±0.5	30.0 ±1.5	6.5
	HPL652530	3.7	400	6.5 ±0.2	25.0 ±0.5	30.0 ±1.5	8.3
	HPL702530	3.7	500	7.0 ±0.2	25.0 ±0.5	30.0 ±1.5	8.5
**2533	HPL352533	3.7	245	3.5 ±0.2	25.0 ±0.5	33.0 ±1.5	5.3
	HPL452533	3.7	350	4.5 ±0.2	25.0 ±0.5	33.0 ±1.5	6.6
	HPL502533	3.7	370	5.0 ±0.2	25.0 ±0.5	33.0 ±1.5	7.3
	HPL602533	3.7	450	6.0 ±0.2	25.0 ±0.5	33.0 ±1.5	8.6

	HPL652533	3.7	500	6.5 ±0.2	25.0 ±0.5	33.0 ±1.5	9.4
	HPL762533	3.7	600	7.5 ±0.2	25.0 ±0.5	33.0 ±1.5	10.6
**2535	HPL552535	3.7	430	5.5 ±0.2	25.0 ±0.5	35.0 ±1.5	8.5
**2540	HPL602540	3.7	580	6.0 ±0.2	25.0 ±0.5	40.0 ±1.5	11.0
**2550	HPL702550	3.7	800	7.0 ±0.2	25.0 ±0.5	50.0 ±1.5	12.8
	HPL802550	3.7	950	8.0 ±0.2	25.0 ±0.5	50.0 ±1.5	14.6
	HPL852550	3.7	1000	8.5 ±0.2	25.0 ±0.5	50.0 ±1.5	15.3
	HPL902550	3.7	1100	9.0 ±0.2	25.0 ±0.5	50.0 ±1.5	16.2
	HPL932550	3.7	1200	9.3 ±0.2	25.0 ±0.5	50.0 ±1.5	16.7
**2626	HPL452626	3.7	230	4.5 ±0.2	26.0 ±0.5	26.0 ±1.5	5.0
**2631	HPL302631	3.7	220	3.0 ±0.2	26.0 ±0.5	31.0 ±1.5	4.3
	HPL652631	3.7	460	6.5 ±0.2	26.0 ±0.5	31.0 ±1.5	9.0
**2634	HPL452634	3.7	380	4.5 ±0.2	26.0 ±0.5	34.0 ±1.5	7.2
**2652	HPL602652	3.7	800	6.0 ±0.2	26.0 ±0.5	52.0 ±1.5	15.8
**2663	HPL602663	3.7	1000	6.0 ±0.2	26.0 ±0.5	63.0 ±1.5	19.8
**2734	HPL852734	3.7	750	8.5 ±0.2	27.0 ±0.5	34.0 ±1.5	13.5
**2739	HPL402739	3.7	400	4.0 ±0.2	27.0 ±0.5	39.0 ±1.5	8.0
**2742	HPL502742	3.7	580	5.0 ±0.2	27.0 ±0.5	42.0 ±1.5	10.8
	HPL752742	3.7	800	7.5 ±0.2	27.0 ±0.5	42.0 ±1.5	15.7
**2745	HPL902745	3.7	1100	9.0 ±0.2	27.0 ±0.5	45.0 ±1.5	20.5
**2775	HPL372775	3.7	750	3.7 ±0.2	27.0 ±0.5	75.0 ±1.5	15.5
**2834	HPL682834	3.7	600	6.8 ±0.2	28.0 ±0.5	34.0 ±1.5	11.6
**2844	HPL802844	3.7	1000	8.0 ±0.2	28.0 ±0.5	44.0 ±1.5	18.6
**2880	HPL432880	3.7	1000	4.3 ±0.2	28.0 ±0.5	80.0 ±1.5	21.0
**2897	HPL602897	3.7	1800	6.0 ±0.2	28.0 ±0.5	97.0 ±1.5	34.7
**2927	HPL372927	3.7	320	3.7 ±0.2	29.0 ±0.5	27.0 ±1.5	4.8
**2934	HPL902934	3.7	850	9.0 ±0.2	29.0 ±0.5	34.0 ±1.5	15.6
**2944	HPL602944	3.7	800	6.0 ±0.2	29.0 ±0.5	44.0 ±1.5	14.6
**2950	HPL652950	3.7	900	6.5 ±0.2	29.0 ±0.5	50.0 ±1.5	18.6
**2952	HPL672952	3.7	1100	6.7 ±0.2	29.0 ±0.5	52.0 ±1.5	20.0
**2990	HPL702990	3.7	1900	7.0 ±0.2	29.0 ±0.5	90.0 ±1.5	39.0
**29127	HPL3829127	3.7	1650	3.8 ±0.2	29.0 ±0.5	127.0 ±1.5	31.5
	HPL6029127	3.7	2500	6.0 ±0.2	29.0 ±0.5	127.0 ±1.5	48.0
**3030	HPL353030	3.7	250	3.5 ±0.2	30.0 ±0.5	30.0 ±1.5	5.5
	HPL453030	3.7	360	4.5 ±0.2	30.0 ±0.5	30.0 ±1.5	7.1
	HPL503030	3.7	400	5.0 ±0.2	30.0 ±0.5	30.0 ±1.5	7.9
	HPL563030	3.7	480	5.6 ±0.2	30.0 ±0.5	30.0 ±1.5	8.8
	HPL603030	3.7	520	6.0 ±0.2	30.0 ±0.5	30.0 ±1.5	9.3
	HPL683030	3.7	590	6.8 ±0.2	30.0 ±0.5	30.0 ±1.5	10.6

**3035	HPL303035	3.7	280	3.0 ±0.2	30.0 ±0.5	35.0 ±1.5	5.9
	HPL403035	3.7	380	4.0 ±0.2	30.0 ±0.5	35.0 ±1.5	7.6
	HPL503035	3.7	500	5.0 ±0.2	30.0 ±0.5	35.0 ±1.5	9.8
	HPL603035	3.7	600	6.0 ±0.2	30.0 ±0.5	35.0 ±1.5	11.4
**3040	HPL203040	3.7	210	2.0 ±0.2	30.0 ±0.5	40.0 ±1.5	4.4
	HPL303040	3.7	330	3.0 ±0.2	30.0 ±0.5	40.0 ±1.5	7.0
	HPL353040	3.7	350	3.5 ±0.2	30.0 ±0.5	40.0 ±1.5	8.2
	HPL423040	3.7	450	4.2 ±0.2	30.0 ±0.5	40.0 ±1.5	9.7
	HPL503040	3.7	550	5.0 ±0.2	30.0 ±0.5	40.0 ±1.5	11.5
	HPL553040	3.7	630	5.5 ±0.2	30.0 ±0.5	40.0 ±1.5	12.5
	HPL603040	3.7	650	6.0 ±0.2	30.0 ±0.5	40.0 ±1.5	13.7
	HPL803040	3.7	950	8.0 ±0.2	30.0 ±0.5	40.0 ±1.5	17.9
	HPL903040	3.7	1000	9.0 ±0.2	30.0 ±0.5	40.0 ±1.5	19.9
**3045	HPL603045	3.7	850	6.0 ±0.2	30.0 ±0.5	45.0 ±1.5	15.6
	HPL743045	3.7	1020	7.4 ±0.2	30.0 ±0.5	45.0 ±1.5	19.2
	HPL763045	3.7	1080	7.6 ±0.2	30.0 ±0.5	45.0 ±1.5	19.5
**3048	HPL353048	3.7	500	3.5 ±0.2	30.0 ±0.5	48.0 ±1.5	10.3
	HPL403048	3.7	580	4.0 ±0.2	30.0 ±0.5	48.0 ±1.5	11.5
	HPL453048	3.7	650	4.5 ±0.2	30.0 ±0.5	48.0 ±1.5	12.8
	HPL503048	3.7	750	5.0 ±0.2	30.0 ±0.5	48.0 ±1.5	14.4
	HPL603048	3.7	850	6.0 ±0.2	30.0 ±0.5	48.0 ±1.5	16.9
	HPL653048	3.7	900	6.5 ±0.2	30.0 ±0.5	48.0 ±1.5	18.4
	HPL703048	3.7	1020	7.0 ±0.2	30.0 ±0.5	48.0 ±1.5	20.0
	HPL743048	3.7	1100	7.4 ±0.2	30.0 ±0.5	48.0 ±1.5	20.8
	HPL853048	3.7	1200	8.5 ±0.2	30.0 ±0.5	48.0 ±1.5	23.0
	HPL953048	3.7	1400	9.5 ±0.2	30.0 ±0.5	48.0 ±1.5	26.2
**3060	HPL503060	3.7	900	5.0 ±0.2	30.0 ±0.5	60.0 ±1.5	18.5
	HPL603060	3.7	1000	6.0 ±0.2	30.0 ±0.5	60.0 ±1.5	22.0
	HPL703060	3.7	1400	7.0 ±0.2	30.0 ±0.5	60.0 ±1.5	25.5
	HPL903060	3.7	1750	9.0 ±0.2	30.0 ±0.5	60.0 ±1.5	32.5
**3080	HPL703080	3.7	1800	7.0 ±0.2	30.0 ±0.5	48.0 ±1.5	36.0
**30158	HPL4030158	3.7	2100	5.0 ±0.2	30.0 ±0.5	158.0 ±1.5	41.7
**30160	HPL8030160	3.7	4100	8.0 ±0.2	30.0 ±0.5	160.0 ±1.5	85.0
**3157	HPL333157	3.7	520	3.3 ±0.2	31.0 ±0.5	57.0 ±1.5	12.0
**3233	HPL453233	3.7	500	4.5 ±0.2	32.0 ±0.5	33.0 ±1.5	8.6
	HPL103233	3.7	1020	10.0 ±0.2	32.0 ±0.5	33.0 ±1.5	18.5
**3247	HPL613247	3.7	1000	6.1 ±0.2	32.0 ±0.5	47.0 ±1.5	18.0
**3248	HPL453248	3.7	800	4.5 ±0.2	32.0 ±0.5	48.0 ±1.5	13.8
**3270	HPL803270	3.7	2000	8.0 ±0.2	32.0 ±0.5	70.0 ±1.5	37.2



**3285	HPL343285	3.7	950	3.4 ±0.2	32.0 ±0.5	85.0 ±1.5	19.6	
**3337	HPL503337	3.7	750	5.0 ±0.2	33.0 ±0.5	37.0 ±1.5	11.5	
**3342	HPL573342	3.7	820	5.7 ±0.2	33.0 ±0.5	42.0 ±1.5	15.1	
**3434	HPL283434	3.7	260	2.8 ±0.2	34.0 ±0.5	34.0 ±1.5	5.9	
**3436	HPL323436	3.7	320	3.2 ±0.2	34.0 ±0.5	36.0 ±1.5	7.4	
**3442	HPL373442	3.7	480	3.7 ±0.2	34.0 ±0.5	42.0 ±1.5	10.2	
	HPL403442	3.7	560	4.0 ±0.2	34.0 ±0.5	42.0 ±1.5	11.3	
	HPL453442	3.7	650	4.5 ±0.2	34.0 ±0.5	42.0 ±1.5	12.5	
	HPL503442	3.7	750	5.0 ±0.2	34.0 ±0.5	42.0 ±1.5	14.0	
	HPL553442	3.7	800	5.5 ±0.2	34.0 ±0.5	42.0 ±1.5	15.2	
	HPL653442	3.7	900	6.5 ±0.2	34.0 ±0.5	42.0 ±1.5	17.9	
**3444	HPL703442	3.7	1100	7.0 ±0.2	34.0 ±0.5	42.0 ±1.5	19.3	
	HPL603444	3.7	850	6.0 ±0.2	34.0 ±0.5	44.0 ±1.5	17.4	
	HPL703444	3.7	1000	7.0 ±0.2	34.0 ±0.5	44.0 ±1.5	20.5	
**3445	HPL863444	3.7	1400	8.6 ±0.2	34.0 ±0.5	44.0 ±1.5	24.7	
	HPL353445	3.7	470	3.5 ±0.2	34.0 ±0.5	45.0 ±1.5	10.5	
	HPL383445	3.7	550	3.8 ±0.2	34.0 ±0.5	45.0 ±1.5	11.5	
	HPL563445	3.7	820	5.6 ±0.2	34.0 ±0.5	45.0 ±1.5	17.0	
	HPL603445	3.7	1000	6.0 ±0.2	34.0 ±0.5	45.0 ±1.5	17.9	
	HPL753445	3.7	1100	7.5 ±0.2	34.0 ±0.5	45.0 ±1.5	22.0	
**3446	HPL903445	3.7	1450	9.0 ±0.2	34.0 ±0.5	45.0 ±1.5	26.5	
	HPL803446	3.7	1350	8.0 ±0.2	34.0 ±0.5	46.0 ±1.5	24.4	
	**3448	HPL303448	3.7	500	3.0 ±0.2	34.0 ±0.5	48.0 ±1.5	9.5
		HPL523448	3.7	800	5.2 ±0.2	34.0 ±0.5	48.0 ±1.5	16.0
		HPL603448	3.7	1000	6.0 ±0.2	34.0 ±0.5	48.0 ±1.5	18.4
	**3450	HPL303450	3.7	500	3.0 ±0.2	34.0 ±0.5	50.0 ±1.5	10.4
HPL383450		3.7	650	3.8 ±0.2	34.0 ±0.5	50.0 ±1.5	13.0	
HPL403450		3.7	700	4.0 ±0.2	34.0 ±0.5	50.0 ±1.5	13.5	
HPL453450		3.7	820	4.5 ±0.2	34.0 ±0.5	50.0 ±1.5	15.4	
HPL503450		3.7	900	5.0 ±0.2	34.0 ±0.5	50.0 ±1.5	17.3	
HPL553450		3.7	1000	5.5 ±0.2	34.0 ±0.5	50.0 ±1.5	19.0	
HPL603450		3.7	1100	6.0 ±0.2	34.0 ±0.5	50.0 ±1.5	20.2	
HPL653450		3.7	1200	6.5 ±0.2	34.0 ±0.5	50.0 ±1.5	22.2	
HPL803450		3.7	1500	8.0 ±0.2	34.0 ±0.5	50.0 ±1.5	27.0	
HPL903450		3.7	1600	9.0 ±0.2	34.0 ±0.5	50.0 ±1.5	30.0	
**3455	HPL103450	3.7	1700	10.0 ±0.2	34.0 ±0.5	50.0 ±1.5	33.4	
	HPL383455	3.7	780	3.8 ±0.2	34.0 ±0.5	55.0 ±1.5	15.0	
	**3457	HPL823457	3.7	1650	8.2 ±0.2	34.0 ±0.5	57.0 ±1.5	32.0
**3465	HPL703465	3.7	1700	7.0 ±0.2	34.0 ±0.5	65.0 ±1.5	32.0	

	HPL853465	3.7	1900	8.5 ±0.2	34.0 ±0.5	65.0 ±1.5	39.0
**3496	HPL643496	3.7	2200	6.4 ±0.2	34.0 ±0.5	96.0 ±1.5	45.0
**3535	HPL833535	3.7	950	8.3 ±0.2	35.0 ±0.5	35.0 ±1.5	18.5
	HPL103535	3.7	1100	10.0 ±0.2	35.0 ±0.5	35.0 ±1.5	22.0
**3562	HPL503562	3.7	1100	5.0 ±0.2	35.0 ±0.5	62.0 ±1.5	23.0
**3568	HPL543568	3.7	1450	5.4 ±0.2	35.0 ±0.5	68.0 ±1.5	27.0
**35126	HPL5835126	3.7	3200	5.8 ±0.2	35.0 ±0.5	126.0 ±1.5	57.0
**3657	HPL583657	3.7	1250	5.8 ±0.2	36.0 ±0.5	57.0 ±1.5	24.0
**3745	HPL623745	3.7	1200	6.2 ±0.2	37.0 ±0.5	45.0 ±1.5	20.5
**3756	HPL603756	3.7	1350	6.0 ±0.2	37.0 ±0.5	56.0 ±1.5	25.4
**3759	HPL303759	3.7	700	3.0 ±0.2	37.0 ±0.5	59.0 ±1.5	13.9
	HPL363759	3.7	830	3.6 ±0.2	37.0 ±0.5	59.0 ±1.5	16.5
	HPL503759	3.7	1200	5.0 ±0.2	37.0 ±0.5	59.0 ±1.5	23.0
	HPL533759	3.7	1250	5.3 ±0.2	37.0 ±0.5	59.0 ±1.5	24.0
	HPL583759	3.7	1400	5.8 ±0.2	37.0 ±0.5	59.0 ±1.5	25.6
	HPL603759	3.7	1500	6.0 ±0.2	37.0 ±0.5	59.0 ±1.5	27.0
	HPL783759	3.7	1800	7.8 ±0.2	37.0 ±0.5	59.0 ±1.5	34.7
**3762	HPL463762	3.7	1200	4.6 ±0.2	37.0 ±0.5	62.0 ±1.5	22.8
	HPL573762	3.7	1500	5.7 ±0.2	37.0 ±0.5	62.0 ±1.5	27.0
**37107	HPL4837107	3.7	2000	4.8 ±0.2	37.0 ±0.5	107.0 ±1.5	42.0
	HPL5537107	3.7	2200	5.5 ±0.2	37.0 ±0.5	107.0 ±1.5	49.0
	HPL6037107	3.7	2500	6.0 ±0.2	37.0 ±0.5	107.0 ±1.5	52.5
**37110	HPL5537110	3.7	2200	5.5 ±0.2	37.0 ±0.5	110.0 ±1.5	50.0
	HPL6037110	3.7	2500	6.0 ±0.2	37.0 ±0.5	110.0 ±1.5	54.0
**3848	HPL713848	3.7	1400	7.1 ±0.2	38.0 ±0.5	48.0 ±1.5	26.0
	HPL903848	3.7	1700	9.0 ±0.2	38.0 ±0.5	48.0 ±1.5	32.5
**3860	HPL723860	3.7	1800	7.2 ±0.2	38.0 ±0.5	60.0 ±1.5	34.0
	HPL803860	3.7	2000	8.0 ±0.2	38.0 ±0.5	60.0 ±1.5	37.7
**3943	HPL503943	3.7	800	5.0 ±0.2	39.0 ±0.5	43.0 ±1.5	16.5
**3944	HPL703944	3.7	1350	7.0 ±0.2	39.0 ±0.5	44.0 ±1.5	24.0
**3947	HPL533947	3.7	1050	5.3 ±0.2	39.0 ±0.5	47.0 ±1.5	19.0
**4041	HPL614041	3.7	1050	6.1 ±0.2	40.0 ±0.5	41.0 ±1.5	18.9
**4052	HPL384052	3.7	820	3.8 ±0.2	40.0 ±0.5	52.0 ±1.5	16.5
	HPL504052	3.7	1100	5.0 ±0.2	40.0 ±0.5	52.0 ±1.5	21.5
**4053	HPL604053	3.7	1400	6.0 ±0.2	40.0 ±0.5	53.0 ±1.5	26.0
	HPL854053	3.7	1600	8.5 ±0.2	40.0 ±0.5	53.0 ±1.5	36.5
**4057	HPL464057	3.7	1100	4.6 ±0.2	40.0 ±0.5	57.0 ±1.5	21.5
	HPL504057	3.7	1200	5.0 ±0.2	40.0 ±0.5	57.0 ±1.5	24.0

**4068	HPL504068	3.7	1450	5.0 ±0.2	40.0 ±0.5	68.0 ±1.5	29.5
**4069	HPL354069	3.7	900	3.5 ±0.2	40.0 ±0.5	69.0 ±1.5	21.0
	HPL384069	3.7	1150	3.8 ±0.2	40.0 ±0.5	69.0 ±1.5	22.0
	HPL404069	3.7	1200	4.0 ±0.2	40.0 ±0.5	69.0 ±1.5	23.5
**4078	HPL504078	3.7	1600	5.0 ±0.2	40.0 ±0.5	78.0 ±1.5	34.0
**4139	HPL764139	3.7	1200	7.6 ±0.2	41.0 ±0.5	39.0 ±1.5	23.0
**4155	HPL724155	3.7	1680	7.2 ±0.2	41.0 ±0.5	55.0 ±1.5	33.5
	HPL754155	3.7	1750	7.5 ±0.2	41.0 ±0.5	55.0 ±1.5	34.5
**4166	HPL654166	3.7	2000	6.5 ±0.2	41.0 ±0.5	66.0 ±1.5	37.5
**4167	HPL304167	3.7	850	3.0 ±0.2	41.0 ±0.5	67.0 ±1.5	17.8
	HPL604167	3.7	1800	6.0 ±0.2	41.0 ±0.5	67.0 ±1.5	34.8
	HPL104167	3.7	3000	10.0 ±0.2	41.0 ±0.5	67.0 ±1.5	58.0
**4169	HPL454169	3.7	1300	4.5 ±0.2	41.0 ±0.5	69.0 ±1.5	27.0
	HPL504169	3.7	1450	5.0 ±0.2	41.0 ±0.5	69.0 ±1.5	30.8
	HPL654169	3.7	2000	6.5 ±0.2	41.0 ±0.5	69.0 ±1.5	39.5
**4250	HPL864250	3.7	1650	8.6 ±0.2	42.0 ±0.5	50.0 ±1.5	36.5
**4260	HPL704260	3.7	2200	7.0 ±0.2	42.0±0.5	60.0 ±1.5	37.5
**4265	HPL964265	3.7	3200	9.6 ±0.2	42.0±0.5	65.0 ±1.5	55.5
**4269	HPL864269	3.7	2950	8.6 ±0.2	42.0±0.5	69.0 ±1.5	52.8
**4275	HPL854275	3.7	3100	8.5 ±0.2	42.0±0.5	75.0 ±1.5	58.0
**4289	HPL384289	3.7	1450	3.8 ±0.2	42.0±0.5	89.0 ±1.5	32.0
	HPL504289	3.7	2100	5.0 ±0.2	42.0±0.5	89.0 ±1.5	42.0
**42113	HPL6842113	3.7	3600	6.8 ±0.2	42.0±0.5	113.0 ±1.5	73.0
**42140	HPL4542140	3.7	3500	4.5 ±0.2	42.0±0.5	140.0 ±1.5	60.5
**4355	HPL404355	3.7	950	4.0 ±0.2	43.0±0.5	55.0 ±1.5	19.5
**4359	HPL534359	3.7	1450	5.3 ±0.2	43.0 ±0.5	59.0 ±1.5	28.0
	HPL804359	3.7	2200	8.0 ±0.2	43.0 ±0.5	59.0 ±1.5	42.3
**4360	HPL304360	3.7	700	3.0 ±0.2	43.0 ±0.5	60.0 ±1.5	16.5
	HPL624360	3.7	1500	6.2 ±0.2	43.0 ±0.5	60.0 ±1.5	33.5
	HPL674360	3.7	1950	6.7 ±0.2	43.0 ±0.5	60.0 ±1.5	37.0
	HPL854360	3.7	2350	8.5 ±0.2	43.0 ±0.5	60.0 ±1.5	46.0
**4364	HPL284364	3.7	750	2.8 ±0.2	43.0 ±0.5	64.0 ±1.5	16.0
**4368	HPL754368	3.7	2600	7.5 ±0.2	43.0 ±0.5	68.0 ±1.5	46.5
**4370	HPL824370	3.7	2800	8.2 ±0.2	43.0 ±0.5	70.0 ±1.5	53.0
	HPL884370	3.7	3100	8.8 ±0.2	43.0 ±0.5	70.0 ±1.5	56.0
**4380	HPL784380	3.7	2900	7.8 ±0.2	43.0 ±0.5	80.0 ±1.5	57.6
**4388	HPL804388	3.7	3480	8.0 ±0.2	43.0 ±0.5	88.0 ±1.5	66.0
**4450	HPL854450	3.7	2000	8.5 ±0.2	44.0 ±0.5	50.0 ±1.5	38.0
	HPL904450	3.7	2200	9.0 ±0.2	44.0 ±0.5	50.0 ±1.5	40.0

	HPL954450	3.7	2300	9.5 ±0.2	44.0 ±0.5	50.0 ±1.5	42.0
**4455	HPL374455	3.7	1000	3.7 ±0.2	44.0 ±0.5	55.0 ±1.5	18.5
**4460	HPL504460	3.7	1450	5.0 ±0.2	44.0 ±0.5	60.0 ±1.5	28.0
**4472	HPL804472	3.7	2800	8,0 ±0.2	44.0 ±0.5	72.0 ±1.5	54.5
**4565	HPL524565	3.7	1600	5.2 ±0.2	45.0 ±0.5	65.0 ±1.5	31.0
**4654	HPL804654	3.7	2200	8.0 ±0.2	46.0 ±0.5	54.0 ±1.5	41.0
**4671	HPL534671	3.7	2000	5.3 ±0.2	46.0 ±0.5	71.0 ±1.5	37.0
**4677	HPL444677	3.7	2000	4.4 ±0.2	46.0 ±0.5	77.0 ±1.5	34.5
**4699	HPL604699	3.7	2850	6.0 ±0.2	46.0 ±0.5	99.0 ±1.5	61.0
**46102	HPL4546102	3.7	2500	4.5 ±0.2	46.0 ±0.5	102.0 ±1.5	47.5
**46146	HPL4546146	3.7	3400	4.5 ±0.2	46.0 ±0.5	146.0 ±1.5	70.0
**4759	HPL854759	3.7	2500	8.5 ±0.2	47.0 ±0.5	59.0 ±1.5	50.0
**4761	HPL604761	3.7	1900	6.0 ±0.2	47.0 ±0.5	61.0 ±1.5	36.5
**4763	HPL704763	3.7	2250	7.0 ±0.2	47.0 ±0.5	63.0 ±1.5	44.0
**4771	HPL474771	3.7	1700	4.7 ±0.2	47.0 ±0.5	71.0 ±1.5	33.5
	HPL964771	3.7	3800	9.6 ±0.2	47.0 ±0.5	71.0 ±1.5	69.0
**4783	HPL504783	3.7	2100	5.0 ±0.2	47.0 ±0.5	83.0 ±1.5	43.5
**47109	HPL8047109	3.7	5000	8.0 ±0.2	47.0 ±0.5	109.0 ±1.5	92.5
**4854	HPL454854	3.7	1550	4.5 ±0.2	48.0 ±0.5	54.0 ±1.5	24.3
	HPL464854	3.7	1700	4.6 ±0.2	48.0 ±0.5	54.0 ±1.5	25.0
**4856	HPL784856	3.7	2200	7.8 ±0.2	48.0 ±0.5	56.0 ±1.5	43.5
**4860	HPL654860	3.7	2000	6.5 ±0.2	48.0 ±0.5	60.0 ±1.5	40.0
	HPL784860	3.7	2400	7.8 ±0.2	48.0 ±0.5	60.0 ±1.5	47.0
	HPL824860	3.7	2800	8.2 ±0.2	48.0 ±0.5	60.0 ±1.5	50.0
	HPL904860	3.7	3000	9.0 ±0.2	48.0 ±0.5	60.0 ±1.5	54.5
**4872	HPL364872	3.7	1350	3.6 ±0.2	48.0 ±0.5	72.0 ±1.5	27.0
	HPL464872	3.7	1800	4.6 ±0.2	48.0 ±0.5	72.0 ±1.5	34.0
**4942	HPL364942	3.7	800	3.6 ±0.2	49.0 ±0.5	42.0 ±1.5	14.5
**4985	HPL854985	3.7	4100	8.5 ±0.2	49.0 ±0.5	85.0 ±1.5	78.0
**5048	HPL605048	3.7	1600	6.0 ±0.2	50.0 ±0.5	85.0 ±1.5	29.5
**5056	HPL685056	3.7	2100	6.8 ±0.2	50.0 ±0.5	56.0 ±1.5	40.0
	HPL955056	3.7	2750	9.5 ±0.2	50.0 ±0.5	56.0 ±1.5	55.0
**5060	HPL655060	3.7	2000	6.5 ±0.2	50.0 ±0.5	60.0 ±1.5	41.5
**5065	HPL505065	3.7	1800	5.0 ±0.2	50.0 ±0.5	65.0 ±1.5	35.0
**5067	HPL625067	3.7	2550	6.2 ±0.2	50.0 ±0.5	67.0 ±1.5	45.0
**5068	HPL425068	3.7	1600	4.2 ±0.2	50.0 ±0.5	68.0 ±1.5	31.0
	HPL485068	3.7	1800	4.8 ±0.2	50.0 ±0.5	68.0 ±1.5	35.0
	HPL495068	3.7	1900	4.9 ±0.2	50.0 ±0.5	68.0 ±1.5	36.5
	HPL555068	3.7	2000	5.5 ±0.2	50.0 ±0.5	68.0 ±1.5	41.0

	HPL805068	3.7	3000	8.0 ±0.2	50.0 ±0.5	68.0 ±1.5	58.5
**5080	HPL935080	3.7	4600	9.3 ±0.2	50.0 ±0.5	80.0 ±1.5	70.0
**5082	HPL395082	3.7	1800	3.9 ±0.2	50.0 ±0.5	80.0 ±1.5	35.5
**5085	HPL435085	3.7	2000	4.3 ±0.2	50.0 ±0.5	85.0 ±1.5	40.0
	HPL455085	3.7	2100	4.5 ±0.2	50.0 ±0.5	85.0 ±1.5	42.5
	HPL465085	3.7	2500	4.6 ±0.2	50.0 ±0.5	85.0 ±1.5	44.0
	HPL525085	3.7	2600	5.2 ±0.2	50.0 ±0.5	85.0 ±1.5	49.5
	HPL545085	3.7	2700	5.4 ±0.2	50.0 ±0.5	85.0 ±1.5	51.0
	HPL605085	3.7	3000	6.0 ±0.2	50.0 ±0.5	85.0 ±1.5	56.0
	HPL705085	3.7	3400	7.0 ±0.2	50.0 ±0.5	85.0 ±1.5	67.0
	HPL805085	3.7	3800	8.0 ±0.2	50.0 ±0.5	85.0 ±1.5	75.0
	HPL855085	3.7	4100	8.5 ±0.2	50.0 ±0.5	85.0 ±1.5	80.0
	HPL885085	3.7	4200	8.8 ±0.2	50.0 ±0.5	85.0 ±1.5	83.0
	HPL955085	3.7	4800	9.5 ±0.2	50.0 ±0.5	85.0 ±1.5	88.5
HPL105085	3.7	5000	10.0 ±0.2	50.0 ±0.5	85.0 ±1.5	94.0	
**50100	HPL3650100	3.7	2000	3.6 ±0.2	50.0 ±0.5	100.0 ±1.5	40.7
**50112	HPL5350112	3.7	3350	5.3 ±0.2	50.0 ±0.5	112.0 ±1.5	68.0
**5150	HPL345150	3.7	2300	3.4 ±0.2	51.0 ±0.5	50.0 ±1.5	17.5
**5158	HPL585158	3.7	1950	5.8 ±0.2	51.0 ±0.5	58.0 ±1.5	37.0
**5165	HPL555165	3.7	2100	5.5 ±0.2	51.0 ±0.5	65.0 ±1.5	39.0
**5166	HPL405166	3.7	1800	4.0 ±0.2	51.0 ±0.5	66.0 ±1.5	28.5
**5181	HPL865181	3.7	4100	8.6 ±0.2	51.0 ±0.5	81.0 ±1.5	78.0
**5255	HPL805255	3.7	2750	8.0 ±0.2	52.0 ±0.5	55.0 ±1.5	47.7
**5257	HPL445257	3.7	1700	4.4 ±0.2	52.0 ±0.5	57.0 ±1.5	27.0
**5262	HPL555262	3.7	1850	5.5 ±0.2	52.0 ±0.5	62.0 ±1.5	38.0
	HPL755262	3.7	2500	7.5 ±0.2	52.0 ±0.5	62.0 ±1.5	51.0
**5278	HPL405278	3.7	1900	4.0 ±0.2	52.0 ±0.5	78.0 ±1.5	35.0
**52101	HPL3552101	3.7	2000	3.5 ±0.2	52.0 ±0.5	101.0 ±1.5	42.0
	HPL5852101	3.7	3200	5.8 ±0.2	52.0 ±0.5	101.0 ±1.5	67.5
**5353	HPL445353	3.7	1650	4.4 ±0.2	53.0 ±0.5	53.0 ±1.5	26.0
**5363	HPL755363	3.7	3000	7.5 ±0.2	53.0 ±0.5	63.0 ±1.5	43.5
**5365	HPL675365	3.7	3000	6.7 ±0.2	53.0 ±0.5	65.0 ±1.5	50.0
**5373	HPL705373	3.7	3300	7.0 ±0.2	53.0 ±0.5	73.0 ±1.5	60.0
**5386	HPL105386	3.7	6000	10.0 ±0.2	53.0 ±0.5	86.0 ±1.5	101.0
**53155	HPL3053155	3.7	3000	3.0 ±0.2	53.0 ±0.5	155.0 ±1.5	57.7
**5462	HPL555462	3.7	2000	5.5 ±0.2	54.0 ±0.5	62.0 ±1.5	39.0
	HPL705462	3.7	2580	7.0 ±0.2	54.0 ±0.5	62.0 ±1.5	50.0
	HPL805462	3.7	3000	8.0 ±0.2	54.0 ±0.5	62.0 ±1.5	57.0
**5486	HPL905486	3.7	4100	9.0 ±0.2	54.0 ±0.5	86.0 ±1.5	92.5

**54102	HPL3654102	3.7	2500	3.6 ±0.2	54.0 ±0.5	102.0 ±1.5	45.0
**5545	HPL455545	3.7	1200	4.5 ±0.2	55.0 ±0.5	45.0 ±1.5	22.5
**5558	HPL325558	3.7	1150	3.2 ±0.2	55.0 ±0.5	58.0 ±1.5	21.0
**5566	HPL445566	3.7	2000	4.4 ±0.2	55.0 ±0.5	66.0 ±1.5	34.0
**5570	HPL885570	3.7	3900	8.8 ±0.2	55.0 ±0.5	70.0 ±1.5	73.0
	HPL905570	3.7	4000	9.0 ±0.2	55.0 ±0.5	70.0 ±1.5	75.0
**5575	HPL305575	3.7	1500	3.0 ±0.2	55.0 ±0.5	75.0 ±1.5	27.4
**5597	HPL485597	3.7	3000	4.8 ±0.2	55.0 ±0.5	97.0 ±1.5	57.8
**5670	HPL345670	3.7	1750	3.4 ±0.2	56.0 ±0.5	70.0 ±1.5	28.5
**5679	HPL805679	3.7	4500	8.0 ±0.2	56.0 ±0.5	79.0 ±1.5	78.0
**56156	HPL3256156	3.7	3100	3.2 ±0.2	56.0 ±0.5	156.0 ±1.5	64.0
**5770	HPL355770	3.7	1600	3.5 ±0.2	57.0 ±0.5	70.0 ±1.5	29.5
**5778	HPL455778	3.7	2600	4.5 ±0.2	57.0 ±0.5	78.0 ±1.5	44.0
**5784	HPL555784	3.7	2950	5.5 ±0.2	57.0 ±0.5	84.0 ±1.5	58.0
**57123	HPL3057123	3.7	2300	3.0 ±0.2	57.0 ±0.5	123.0 ±1.5	48.5
**5879	HPL485879	3.7	3000	4.8 ±0.2	58.0 ±0.5	79.0 ±1.5	48.7
**58110	HPL6558110	3.7	4200	6.5 ±0.2	58.0 ±0.5	110.0 ±1.5	95.0
	HPL7258110	3.7	5200	7.2 ±0.2	58.0 ±0.5	110.0 ±1.5	105.0
**58120	HPL4158120	3.7	3500	4.1 ±0.2	58.0 ±0.5	120.0 ±1.5	67.0
**58123	HPL2858123	3.7	2500	2.8 ±0.2	58.0 ±0.5	123.0 ±1.5	44.7
**5973	HPL385973	3.7	2300	3.8 ±0.2	59.0 ±0.5	73.0 ±1.5	36.0
**59111	HPL4259111	3.7	3300	4.2 ±0.2	59.0 ±0.5	111.0 ±1.5	63.0
**6066	HPL656066	3.7	3100	6.5 ±0.2	60.0 ±0.5	66.0 ±1.5	56.0
**6071	HPL366071	3.7	2100	3.6 ±0.2	60.0 ±0.5	71.0 ±1.5	33.7
**6080	HPL376080	3.7	2300	3.7 ±0.2	60.0 ±0.5	80.0 ±1.5	39.0
**6090	HPL606090	3.7	3700	6.0 ±0.2	60.0 ±0.5	90.0 ±1.5	72.5
	HPL806090	3.7	5000	8.0 ±0.2	60.0 ±0.5	90.0 ±1.5	97.0
**6091	HPL776091	3.7	5000	7.7 ±0.2	60.0 ±0.5	91.0 ±1.5	98.5
**60100	HPL4060100	3.7	3000	4.0 ±0.2	60.0 ±0.5	100.0 ±1.5	54.0
**6275	HPL326275	3.7	1400	3.2 ±0.2	62.0 ±0.5	75.0 ±1.5	33.0
**62107	HPL4562107	3.7	3000	4.5 ±0.2	62.0 ±0.5	107.0 ±1.5	68.0
**6381	HPL386381	3.7	2500	3.8 ±0.2	63.0 ±0.5	81.0 ±1.5	44.0
	HPL426381	3.7	2800	4.2 ±0.2	63.0 ±0.5	81.0 ±1.5	47.8
**6386	HPL406386	3.7	2500	4.0 ±0.2	63.0 ±0.5	86.0 ±1.5	47.6
**6387	HPL456387	3.7	3000	4.5 ±0.2	63.0 ±0.5	87.0 ±1.5	88.0
**63133	HPL3763133	3.7	3400	3.7 ±0.2	63.0 ±0.5	133.0 ±1.5	70.5
**6478	HPL486478	3.7	2500	4.8 ±0.2	64.0 ±0.5	78.0 ±1.5	53.0
	HPL566478	3.7	3000	5.6 ±0.2	64.0 ±0.5	78.0 ±1.5	62.0
**64130	HPL3564130	3.7	3500	3.5 ±0.2	64.0 ±0.5	130.0 ±1.5	65.0

**6570	HPL966570	3.7	5000	9.6 ±0.2	65.0 ±0.5	70.0 ±1.5	95.0
**6573	HPL366573	3.7	1800	3.6 ±0.2	65.0 ±0.5	73.0 ±1.5	37.9
**6576	HPL906576	3.7	4700	9.0 ±0.2	65.0 ±0.5	76.0 ±1.5	98.0
**6666	HPL416666	3.7	2300	4.1 ±0.2	66.0 ±0.5	66.0 ±1.5	39.0
**6770	HPL706770	3.7	3700	7.0 ±0.2	67.0 ±0.5	70.0 ±1.5	71.5
**67112	HPL3567112	3.7	3100	3.5 ±0.2	67.0 ±0.5	112.0 ±1.5	61.5
	HPL3867112	3.7	3400	3.8 ±0.2	67.0 ±0.5	112.0 ±1.5	66.0
**68140	HPL3568140	3.7	4000	3.5 ±0.2	68.0 ±0.5	140.0 ±1.5	77.0
**6987	HPL406987	3.7	2900	4.0 ±0.2	69.0 ±0.5	87.0 ±1.5	53.0
**69100	HPL3969100	3.7	3200	3.9 ±0.2	69.0 ±0.5	100.0 ±1.5	62.0
	HPL4069100	3.7	3350	4.0 ±0.2	69.0 ±0.5	100.0 ±1.5	63.0
**69110	HPL3669110	3.7	3000	3.6 ±0.2	69.0 ±0.5	110.0 ±1.5	63.0
**7093	HPL447093	3.7	3100	4.4 ±0.2	70.0 ±0.5	93.0 ±1.5	64.0
**7097	HPL357097	3.7	3000	3.5 ±0.2	70.0 ±0.5	97.0 ±1.5	53.0
**7280	HPL367280	3.7	2500	3.6 ±0.2	72.0 ±0.5	80.0 ±1.5	46.6
**7290	HPL317290	3.7	2400	3.1 ±0.2	72.0 ±0.5	90.0 ±1.5	44.5
**7390	HPL487390	3.7	3650	4.8 ±0.2	73.0 ±0.5	90.0 ±1.5	71.5
**7580	HPL767580	3.7	5500	7.6 ±0.2	75.0 ±0.5	80.0 ±1.5	101.0
**7590	HPL407590	3.7	3000	4.0 ±0.2	75.0 ±0.5	90.0 ±1.5	60.0
**7591	HPL437591	3.7	3600	4.3 ±0.2	75.0 ±0.5	91.0 ±1.5	66.0
**7595	HPL307595	3.7	2400	3.0 ±0.2	75.0 ±0.5	95.0 ±1.5	49.0
	HPL407595	3.7	2850	4.0 ±0.2	75.0 ±0.5	95.0 ±1.5	64.0
**7688	HPL387688	3.7	3100	3.8 ±0.2	76.0 ±0.5	88.0 ±1.5	58.0
**7696	HPL407696	3.7	3300	4.0 ±0.2	76.0 ±0.5	96.0 ±1.5	65.0
**76111	HPL3276111	3.7	3000	3.2 ±0.2	76.0 ±0.5	111.0 ±1.5	60.0
**7886	HPL367886	3.7	3000	3.6 ±0.2	78.0 ±0.5	86.0 ±1.5	55.0
**8290	HPL398290	3.7	3200	3.9 ±0.2	82.0 ±0.5	90.0 ±1.5	67.0
**8999	HPL388999	3.7	4000	3.8 ±0.2	89.0 ±0.5	99.0 ±1.5	76.0
**90120	HPL3790120	3.7	4500	3.7 ±0.2	90.0 ±0.5	120.0 ±1.5	93.0
**90125	HPL3390125	3.7	4300	3.3 ±0.2	90.0 ±0.5	125.0 ±1.5	87.0
**9493	HPL489493	3.7	4700	4.8 ±0.2	94.0 ±0.5	125.0 ±1.5	96.0
**98140	HPL3598140	3.7	6000	3.5 ±0.2	98.0 ±0.5	140.0 ±1.5	115.0
**100104	HPL32100104	3.7	3900	3.2 ±0.2	100.0 ±0.5	104.0 ±1.5	77.5
**103120	HPL27103120	3.7	4000	2.7 ±0.2	103.0 ±0.5	120.0 ±1.5	78.0
**105103	HPL38105103	3.7	5200	3.8 ±0.2	105.0 ±0.5	103.0 ±1.5	95.0

Note:

1. "HPL" refers to Hypercell lithium ion polymer battery.

Shenzhen Hypercell Co.,LTD

Li-Ion Polymer Battery Specifications							
Type	Model No.	Nominal Voltage	Nominal Capacity	Dimensions (mm)			Weight
		V	mAh	Thickness	Width	Length	g
**1018	HPL381018	3.7	35	3.8 ±0.2	10.0 ±0.5	18.0 ±1.5	0.9
	HPL431018	3.7	50	4.3 ±0.2	10.0 ±0.5	18.0 ±1.5	1.0
**1020	HPL251020	3.7	25	2.5 ±0.2	10.0 ±0.5	20.0 ±1.5	0.8
	HPL301020	3.7	30	3.0 ±0.2	10.0 ±0.5	20.0 ±1.5	0.9
	HPL401020	3.7	55	4.0 ±0.2	10.0 ±0.5	20.0 ±1.5	1.1
**1024	HPL321024	3.7	50	3.2 ±0.2	10.0 ±0.5	24.0 ±1.5	1.2
**1029	HPL411029	3.7	85	4.1 ±0.2	10.0 ±0.5	29.0 ±1.5	1.8
**1030	HPL301030	3.7	60	3.0 ±0.2	10.0 ±0.5	30.0 ±1.5	1.5
	HPL331030	3.7	70	3.3 ±0.2	10.0 ±0.5	30.0 ±1.5	1.6
	HPL401030	3.7	90	4.0 ±0.2	10.0 ±0.5	30.0 ±1.5	1.9
**1033	HPL301033	3.7	70	3.0 ±0.2	10.0 ±0.5	33.0 ±1.5	1.7
**1035	HPL251035	3.7	55	2.5 ±0.2	10.0 ±0.5	35.0 ±1.5	1.7
	HPL321035	3.7	75	3.2 ±0.2	10.0 ±0.5	35.0 ±1.5	1.8
	HPL431035	3.7	110	4.3 ±0.2	10.0 ±0.5	35.0 ±1.5	2.5
**1039	HPL401039	3.7	120	4.0 ±0.2	10.0 ±0.5	39.0 ±1.5	2.6
**1048	HPL301048	3.7	100	3.0 ±0.2	10.0 ±0.5	48.0 ±1.5	3.2
**1050	HPL601050	3.7	250	6.0 ±0.2	10.0 ±0.5	50.0 ±1.5	4.8
**1055	HPL331055	3.7	120	3.3 ±0.2	10.0 ±0.5	55.0 ±1.5	3.3
**1058	HPL371058	3.7	160	3.7 ±0.2	10.0 ±0.5	58.0 ±1.5	3.9
**1120	HPL381120	3.7	50	3.8 ±0.2	11.0 ±0.5	20.0 ±1.5	1.2
	HPL401120	3.7	55	4.0 ±0.2	11.0 ±0.5	20.0 ±1.5	1.3
**1124	HPL231124	3.7	25	2.3 ±0.2	11.0 ±0.5	24.0 ±1.5	1.0
	HPL281124	3.7	45	2.8 ±0.2	11.0 ±0.5	24.0 ±1.5	1.2
	HPL451124	3.7	85	4.5 ±0.2	11.0 ±0.5	24.0 ±1.5	1.7
**1132	HPL301132	3.7	80	3.0 ±0.2	11.0 ±0.5	32.0 ±1.5	1.8
**1165	HPL431165	3.7	250	4.3 ±0.2	11.0 ±0.5	65.0 ±1.5	5.7
**1218	HPL501218	3.7	60	5.0 ±0.2	12.0 ±0.5	18.0 ±1.5	1.4
**1219	HPL351219	3.7	45	3.5 ±0.2	12.0 ±0.5	19.0 ±1.5	1.2
	HPL481219	3.7	70	4.8 ±0.2	12.0 ±0.5	19.0 ±1.5	1.4
**1220	HPL301220	3.7	40	3.0 ±0.2	12.0 ±0.5	20.0 ±1.5	1.1
	HPL401220	3.7	65	4.0 ±0.2	12.0 ±0.5	20.0 ±1.5	1.3
	HPL451220	3.7	70	4.5 ±0.2	12.0 ±0.5	20.0 ±1.5	1.5
	HPL481220	3.7	80	4.8 ±0.2	12.0 ±0.5	20.0 ±1.5	1.6
	HPL601220	3.7	100	6.0 ±0.2	12.0 ±0.5	20.0 ±1.5	1.8



**1222	HPL281222	3.7	45	2.8 ±0.2	12.0 ±0.5	22.0 ±1.5	1.1
**1223	HPL381223	3.7	65	3.8 ±0.2	12.0 ±0.5	23.0 ±1.5	1.5
**1225	HPL401225	3.7	90	4.0 ±0.2	12.0 ±0.5	25.0 ±1.5	1.8
	HPL451225	3.7	100	4.5 ±0.2	12.0 ±0.5	25.0 ±1.5	2.0
**1229	HPL451229	3.7	105	4.5 ±0.2	12.0 ±0.5	29.0 ±1.5	2.5
**1230	HPL201230	3.7	30	2.0 ±0.2	12.0 ±0.5	30.0 ±1.5	1.4
	HPL351230	3.7	80	3.5 ±0.2	12.0 ±0.5	30.0 ±1.5	2.0
	HPL401230	3.7	100	4.0 ±0.2	12.0 ±0.5	30.0 ±1.5	2.3
	HPL431230	3.7	125	4.3 ±0.2	12.0 ±0.5	30.0 ±1.5	2.4
	HPL501230	3.7	130	5.0 ±0.2	12.0 ±0.5	30.0 ±1.5	2.8
	HPL601230	3.7	160	6.0 ±0.2	12.0 ±0.5	30.0 ±1.5	3.3
**1235	HPL251235	3.7	70	2.5 ±0.2	12.0 ±0.5	35.0 ±1.5	1.8
	HPL401235	3.7	120	4.0 ±0.2	12.0 ±0.5	35.0 ±1.5	2.8
	HPL501235	3.7	150	5.0 ±0.2	12.0 ±0.5	35.0 ±1.5	3.5
	HPL551235	3.7	180	5.5 ±0.2	12.0 ±0.5	35.0 ±1.5	3.8
	HPL601235	3.7	200	6.0 ±0.2	12.0 ±0.5	35.0 ±1.5	4.0
**1239	HPL381239	3.7	130	3.8 ±0.2	12.0 ±0.5	39.0 ±1.5	3.1
	HPL401239	3.7	135	4.0 ±0.2	12.0 ±0.5	39.0 ±1.5	3.2
**1240	HPL501240	3.7	170	5.0 ±0.2	12.0 ±0.5	40.0 ±1.5	4.0
	HPL701240	3.7	260	7.0 ±0.2	12.0 ±0.5	40.0 ±1.5	5.4
**1245	HPL451245	3.7	200	4.5 ±0.2	12.0 ±0.5	45.0 ±1.5	4.2
	HPL701245	3.7	300	7.0 ±0.2	12.0 ±0.5	45.0 ±1.5	6.0
**1416	HPL451416	3.7	50	4.5 ±0.2	14.0 ±0.5	16.0 ±1.5	1.2
**1417	HPL551417	3.7	70	5.5 ±0.2	14.0 ±0.5	17.0 ±1.5	1.6
**1419	HPL251419	3.7	35	2.5 ±0.2	14.0 ±0.5	19.0 ±1.5	1.0
**1421	HPL401421	3.7	80	4.0 ±0.2	14.0 ±0.5	21.0 ±1.5	1.7
**1422	HPL451422	3.7	95	4.5 ±0.2	14.0 ±0.5	22.0 ±1.5	2.0
**1428	HPL301428	3.7	80	3.0 ±0.2	14.0 ±0.5	28.0 ±1.5	2.0
	HPL401428	3.7	110	4.0 ±0.2	14.0 ±0.5	28.0 ±1.5	2.5
	HPL421428	3.7	120	4.2 ±0.2	14.0 ±0.5	28.0 ±1.5	2.7
**1429	HPL701429	3.7	220	7.0 ±0.2	14.0 ±0.5	29.0 ±1.5	4.3
**1430	HPL451430	3.7	150	4.5 ±0.2	14.0 ±0.5	30.0 ±1.5	3.0
	HPL551430	3.7	180	5.5 ±0.2	14.0 ±0.5	30.0 ±1.5	3.7
	HPL651430	3.7	210	6.5 ±0.2	14.0 ±0.5	30.0 ±1.5	4.5
**1435	HPL501435	3.7	200	5.0 ±0.2	14.0 ±0.5	35.0 ±1.5	4.2
	HPL701435	3.7	300	7.0 ±0.2	14.0 ±0.5	35.0 ±1.5	5.5
**1439	HPL701439	3.7	320	7.0 ±0.2	14.0 ±0.5	39.0 ±1.5	6.3
**1515	HPL401515	3.7	48	4.0 ±0.2	15.0 ±0.5	15.0 ±1.5	1.1
	HPL661515	3.7	85	6.6 ±0.2	15.0 ±0.5	15.0 ±1.5	1.5

**1518	HPL751518	3.7	130	7.5 ±0.2	15.0 ±0.5	18.0 ±1.5	2.3
**1525	HPL321525	3.7	80	3.2 ±0.2	15.0 ±0.5	25.0 ±1.5	1.9
**1528	HPL451528	3.7	120	4.5 ±0.2	15.0 ±0.5	28.0 ±1.5	3.0
	HPL501528	3.7	150	5.0 ±0.2	15.0 ±0.5	28.0 ±1.5	3.3
	HPL571528	3.7	190	5.7 ±0.2	15.0 ±0.5	28.0 ±1.5	3.7
	HPL701528	3.7	200	7.0 ±0.2	15.0 ±0.5	28.0 ±1.5	4.5
**1537	HPL501537	3.7	230	5.0 ±0.2	15.0 ±0.5	37.0 ±1.5	4.8
	HPL601537	3.7	260	6.0 ±0.2	15.0 ±0.5	37.0 ±1.5	5.6
**1550	HPL401550	3.7	280	4.0 ±0.2	15.0 ±0.5	50.0 ±1.5	5.5
**1575	HPL451575	3.7	450	4.5 ±0.2	15.0 ±0.5	75.0 ±1.5	9.8
**1624	HPL481624	3.7	120	4.8 ±0.2	16.0 ±0.5	24.0 ±1.5	2.9
**1630	HPL501630	3.7	200	5.0 ±0.2	16.0 ±0.5	30.0 ±1.5	4.0
**1643	HPL361643	3.7	200	3.6 ±0.2	16.0 ±0.5	43.0 ±1.5	4.6
	HPL501643	3.7	280	5.0 ±0.2	16.0 ±0.5	43.0 ±1.5	6.2
	HPL551643	3.7	330	5.5 ±0.2	16.0 ±0.5	43.0 ±1.5	6.9
	HPL651643	3.7	380	6.5 ±0.2	16.0 ±0.5	43.0 ±1.5	7.9
	HPL701643	3.7	400	7.0 ±0.2	16.0 ±0.5	43.0 ±1.5	8.4
	HPL751643	3.7	430	7.5 ±0.2	16.0 ±0.5	43.0 ±1.5	8.8
**1646	HPL501646	3.7	300	5.0 ±0.2	16.0 ±0.5	46.0 ±1.5	6.8
	HPL631646	3.7	430	6.3 ±0.2	16.0 ±0.5	46.0 ±1.5	8.2
	HPL781646	3.7	550	7.8 ±0.2	16.0 ±0.5	46.0 ±1.5	10.0
	HPL851646	3.7	600	8.5 ±0.2	16.0 ±0.5	46.0 ±1.5	10.5
**1719	HPL851719	3.7	200	8.5 ±0.2	17.0 ±0.5	19.0 ±1.5	3.4
**1723	HPL651723	3.7	150	6.5 ±0.2	17.0 ±0.5	23.0 ±1.5	3.7
**1725	HPL451725	3.7	120	4.5 ±0.2	17.0 ±0.5	25.0 ±1.5	3.0
	HPL651725	3.7	220	6.5 ±0.2	17.0 ±0.5	25.0 ±1.5	4.2
**1730	HPL251730	3.7	95	2.5 ±0.2	17.0 ±0.5	30.0 ±1.5	2.2
	HPL301730	3.7	120	3.0 ±0.2	17.0 ±0.5	30.0 ±1.5	2.7
	HPL401730	3.7	160	4.0 ±0.2	17.0 ±0.5	30.0 ±1.5	3.4
	HPL451730	3.7	180	4.5 ±0.2	17.0 ±0.5	30.0 ±1.5	3.8
	HPL551730	3.7	250	5.5 ±0.2	17.0 ±0.5	30.0 ±1.5	4.7
	HPL651730	3.7	280	6.5 ±0.2	17.0 ±0.5	30.0 ±1.5	5.4
	HPL751730	3.7	330	7.5 ±0.2	17.0 ±0.5	30.0 ±1.5	6.0
**1737	HPL501737	3.7	230	5.0 ±0.2	17.0 ±0.5	37.0 ±1.5	5.6
**1738	HPL961738	3.7	500	9.6 ±0.2	17.0 ±0.5	38.0 ±1.5	10.3
**1740	HPL501740	3.7	300	5.0 ±0.2	17.0 ±0.5	40.0 ±1.5	6.1
	HPL681740	3.7	420	6.8 ±0.2	17.0 ±0.5	40.0 ±1.5	8.0
	HPL801740	3.7	470	8.0 ±0.2	17.0 ±0.5	40.0 ±1.5	8.3
**1752	HPL331752	3.7	260	3.3 ±0.2	17.0 ±0.5	52.0 ±1.5	5.6

	HPL351752	3.7	280	3.5 ±0.2	17.0 ±0.5	52.0 ±1.5	6.0
	HPL381752	3.7	300	3.8 ±0.2	17.0 ±0.5	52.0 ±1.5	6.1
	HPL551752	3.7	450	5.5 ±0.2	17.0 ±0.5	52.0 ±1.5	9.3
	HPL601752	3.7	470	6.0 ±0.2	17.0 ±0.5	52.0 ±1.5	9.7
	HPL801752	3.7	730	8.0 ±0.2	17.0 ±0.5	52.0 ±1.5	12.7
**1772	HPL631772	3.7	800	6.3 ±0.2	17.0 ±0.5	72.0 ±1.5	14.7
**1818	HPL801818	3.7	170	8.0 ±0.2	18.0 ±0.5	18.0 ±1.5	3.1
**1830	HPL401830	3.7	175	4.0 ±0.2	18.0 ±0.5	30.0 ±1.5	3.6
**1834	HPL401834	3.7	200	4.0 ±0.2	18.0 ±0.5	34.0 ±1.5	4.2
	HPL461834	3.7	230	4.6 ±0.2	18.0 ±0.5	34.0 ±1.5	4.8
	HPL701834	3.7	380	7.0 ±0.2	18.0 ±0.5	34.0 ±1.5	7.3
**1838	HPL551838	3.7	330	5.5 ±0.2	18.0 ±0.5	38.0 ±1.5	6.8
**1866	HPL501866	3.7	420	5.0 ±0.2	18.0 ±0.5	66.0 ±1.5	11.8
**1885	HPL451885	3.7	730	4.5 ±0.2	18.0 ±0.5	85.0 ±1.5	13.9
**1920	HPL381920	3.7	90	3.8 ±0.2	19.0 ±0.5	20.0 ±1.5	2.1
**1927	HPL801927	3.7	320	8.0 ±0.2	19.0 ±0.5	27.0 ±1.5	6.3
**1936	HPL681936	3.7	430	6.8 ±0.2	19.0 ±0.5	36.0 ±1.5	8.0
**1938	HPL651938	3.7	420	6.5 ±0.2	19.0 ±0.5	38.0 ±1.5	8.2
**2020	HPL402020	3.7	100	4.0 ±0.2	20.0 ±0.5	20.0 ±1.5	2.3
	HPL502020	3.7	150	5.0 ±0.2	20.0 ±0.5	20.0 ±1.5	2.8
	HPL602020	3.7	180	6.0 ±0.2	20.0 ±0.5	20.0 ±1.5	3.3
	HPL702020	3.7	200	7.0 ±0.2	20.0 ±0.5	20.0 ±1.5	3.8
**2022	HPL762022	3.7	260	7.6 ±0.2	20.0 ±0.5	22.0 ±1.5	4.8
**2023	HPL302023	3.7	80	3.0 ±0.2	20.0 ±0.5	23.0 ±1.5	2.2
	HPL402023	3.7	125	4.0 ±0.2	20.0 ±0.5	23.0 ±1.5	2.8
	HPL452023	3.7	150	4.5 ±0.2	20.0 ±0.5	23.0 ±1.5	3.2
	HPL652023	3.7	240	6.5 ±0.2	20.0 ±0.5	23.0 ±1.5	4.4
**2025	HPL302025	3.7	100	3.0 ±0.2	20.0 ±0.5	25.0 ±1.5	2.5
	HPL352025	3.7	130	3.5 ±0.2	20.0 ±0.5	25.0 ±1.5	2.8
	HPL402025	3.7	140	4.0 ±0.2	20.0 ±0.5	25.0 ±1.5	3.2
	HPL432025	3.7	160	4.3 ±0.2	20.0 ±0.5	25.0 ±1.5	3.4
	HPL532025	3.7	200	5.3 ±0.2	20.0 ±0.5	25.0 ±1.5	4.1
	HPL602025	3.7	240	6.0 ±0.2	20.0 ±0.5	25.0 ±1.5	4.6
	HPL802025	3.7	320	8.0 ±0.2	20.0 ±0.5	25.0 ±1.5	6.0
**2028	HPL502028	3.7	220	5.0 ±0.2	20.0 ±0.5	28.0 ±1.5	4.6
**2030	HPL182030	3.7	45	1.8 ±0.2	20.0 ±0.5	30.0 ±1.5	2.0
	HPL302030	3.7	130	3.0 ±0.2	20.0 ±0.5	30.0 ±1.5	3.1
	HPL352030	3.7	160	3.5 ±0.2	20.0 ±0.5	30.0 ±1.5	3.6
	HPL402030	3.7	200	4.0 ±0.2	20.0 ±0.5	30.0 ±1.5	4.2

	HPL482030	3.7	250	4.8 ±0.2	20.0 ±0.5	30.0 ±1.5	4.9
	HPL582030	3.7	300	5.8 ±0.2	20.0 ±0.5	30.0 ±1.5	5.7
	HPL702030	3.7	360	7.0 ±0.2	20.0 ±0.5	30.0 ±1.5	6.9
	HPL802030	3.7	390	8.0 ±0.2	20.0 ±0.5	30.0 ±1.5	7.7
	HPL902030	3.7	480	9.0 ±0.2	20.0 ±0.5	30.0 ±1.5	8.5
**2033	HPL102033	3.7	600	10.0 ±0.2	20.0 ±0.5	33.0 ±1.5	10.5
**2035	HPL402035	3.7	240	3.0 ±0.2	20.0 ±0.5	35.0 ±1.5	4.9
	HPL502035	3.7	280	5.0 ±0.2	20.0 ±0.5	35.0 ±1.5	6.2
	HPL552035	3.7	350	5.5 ±0.2	20.0 ±0.5	35.0 ±1.5	6.8
	HPL102035	3.7	600	10.0 ±0.2	20.0 ±0.5	35.0 ±1.5	11.5
**2036	HPL802036	3.7	500	8.0 ±0.2	20.0 ±0.5	36.0 ±1.5	9.8
**2040	HPL402040	3.7	280	4.0 ±0.2	20.0 ±0.5	40.0 ±1.5	6.0
	HPL452040	3.7	320	4.5 ±0.2	20.0 ±0.5	40.0 ±1.5	6.6
	HPL502040	3.7	370	5.0 ±0.2	20.0 ±0.5	40.0 ±1.5	7.4
	HPL552040	3.7	380	5.5 ±0.2	20.0 ±0.5	40.0 ±1.5	7.8
	HPL602040	3.7	420	6.0 ±0.2	20.0 ±0.5	40.0 ±1.5	8.6
	HPL652040	3.7	450	6.5 ±0.2	20.0 ±0.5	40.0 ±1.5	9.4
	HPL702040	3.7	480	7.0 ±0.2	20.0 ±0.5	40.0 ±1.5	10.0
	HPL802040	3.7	580	8.0 ±0.2	20.0 ±0.5	40.0 ±1.5	11.2
**2048	HPL452048	3.7	400	4.5 ±0.2	20.0 ±0.5	48.0 ±1.5	8.2
	HPL752048	3.7	670	7.5 ±0.2	20.0 ±0.5	48.0 ±1.5	13.5
**2060	HPL402060	3.7	350	4.0 ±0.2	20.0 ±0.5	60.0 ±1.5	9.3
	HPL102060	3.7	1100	10.0 ±0.2	20.0 ±0.5	60.0 ±1.5	22.4
**2065	HPL352065	3.7	400	3.5 ±0.2	20.0 ±0.5	65.0 ±1.5	9.0
**2068	HPL502068	3.7	650	5.0 ±0.2	20.0 ±0.5	68.0 ±1.5	13.5
**2079	HPL462079	3.7	800	4.6 ±0.2	20.0 ±0.5	79.0 ±1.5	14.5
**2126	HPL922126	3.7	400	9.2 ±0.2	21.0 ±0.5	26.0 ±1.5	7.6
**2222	HPL302222	3.7	100	3.0 ±0.2	22.0 ±0.5	22.0 ±1.5	2.3
**2238	HPL752238	3.7	600	7.5 ±0.2	22.0 ±0.5	38.0 ±1.5	11.0
**2240	HPL552240	3.7	450	5.5 ±0.2	22.0 ±0.5	40.0 ±1.5	8.8
	HPL752240	3.7	650	7.5 ±0.2	22.0 ±0.5	40.0 ±1.5	11.7
**2244	HPL602244	3.7	540	6.0 ±0.2	22.0 ±0.5	44.0 ±1.5	10.7
**2248	HPL252248	3.7	200	2.5 ±0.2	22.0 ±0.5	48.0 ±1.5	4.5
	HPL502248	3.7	500	5.0 ±0.2	22.0 ±0.5	48.0 ±1.5	10.2
	HPL752248	3.7	750	7.5 ±0.2	22.0 ±0.5	48.0 ±1.5	14.6
	HPL802248	3.7	800	8.0 ±0.2	22.0 ±0.5	48.0 ±1.5	15.7
	HPL902248	3.7	900	9.0 ±0.2	22.0 ±0.5	48.0 ±1.5	17.5
**2260	HPL482260	3.7	600	4.8 ±0.2	22.0 ±0.5	60.0 ±1.5	12.6

**2294	HPL802294	3.7	1650	8.0 ±0.2	22.0 ±0.5	94.0 ±1.5	33.8
**2323	HPL302323	3.7	130	3.0 ±0.2	23.0 ±0.5	23.0 ±1.5	2.6
	HPL362323	3.7	165	3.6 ±0.2	23.0 ±0.5	23.0 ±1.5	3.0
	HPL902323	3.7	400	9.0 ±0.2	23.0 ±0.5	23.0 ±1.5	6.8
**2325	HPL502325	3.7	250	5.0 ±0.2	23.0 ±0.5	25.0 ±1.5	4.6
**2332	HPL662332	3.7	420	6.6 ±0.2	23.0 ±0.5	32.0 ±1.5	8.2
**2335	HPL252335	3.7	150	2.5 ±0.2	23.0 ±0.5	35.0 ±1.5	3.7
	HPL652335	3.7	450	6.5 ±0.2	23.0 ±0.5	35.0 ±1.5	9.2
	HPL752335	3.7	550	7.5 ±0.2	23.0 ±0.5	35.0 ±1.5	10.4
**2338	HPL482338	3.7	360	4.8 ±0.2	23.0 ±0.5	38.0 ±1.5	7.7
	HPL602338	3.7	480	6.0 ±0.2	23.0 ±0.5	38.0 ±1.5	9.4
	HPL652338	3.7	500	6.5 ±0.2	23.0 ±0.5	38.0 ±1.5	10.3
**2339	HPL302339	3.7	240	3.0 ±0.2	23.0 ±0.5	39.0 ±1.5	5.1
	HPL422339	3.7	330	4.2 ±0.2	23.0 ±0.5	39.0 ±1.5	7.0
	HPL452339	3.7	350	4.5 ±0.2	23.0 ±0.5	39.0 ±1.5	7.5
	HPL502339	3.7	420	5.0 ±0.2	23.0 ±0.5	39.0 ±1.5	8.3
	HPL562339	3.7	460	5.6 ±0.2	23.0 ±0.5	39.0 ±1.5	9.3
	HPL882339	3.7	750	8.8 ±0.2	23.0 ±0.5	39.0 ±1.5	14.0
**2425	HPL602425	3.7	255	6.0 ±0.2	24.0 ±0.5	25.0 ±1.5	5.6
**2487	HPL252487	3.7	370	2.5 ±0.2	24.0 ±0.5	87.0 ±1.5	10.8
**2523	HPL652523	3.7	280	6.5 ±0.2	25.0 ±0.5	23.0 ±1.5	5.7
**2525	HPL402525	3.7	200	4.0 ±0.2	25.0 ±0.5	25.0 ±1.5	4.0
	HPL462525	3.7	230	4.6 ±0.2	25.0 ±0.5	25.0 ±1.5	4.6
	HPL602525	3.7	300	6.0 ±0.2	25.0 ±0.5	25.0 ±1.5	5.9
	HPL802525	3.7	400	8.0 ±0.2	25.0 ±0.5	25.0 ±1.5	7.7
**2530	HPL252530	3.7	150	2.5 ±0.2	25.0 ±0.5	30.0 ±1.5	3.3
	HPL402530	3.7	250	4.0 ±0.2	25.0 ±0.5	30.0 ±1.5	5.2
	HPL452530	3.7	280	4.5 ±0.2	25.0 ±0.5	30.0 ±1.5	5.8
	HPL502530	3.7	330	5.0 ±0.2	25.0 ±0.5	30.0 ±1.5	6.5
	HPL652530	3.7	400	6.5 ±0.2	25.0 ±0.5	30.0 ±1.5	8.3
	HPL702530	3.7	500	7.0 ±0.2	25.0 ±0.5	30.0 ±1.5	8.5
**2533	HPL352533	3.7	245	3.5 ±0.2	25.0 ±0.5	33.0 ±1.5	5.3
	HPL452533	3.7	350	4.5 ±0.2	25.0 ±0.5	33.0 ±1.5	6.6
	HPL502533	3.7	370	5.0 ±0.2	25.0 ±0.5	33.0 ±1.5	7.3
	HPL602533	3.7	450	6.0 ±0.2	25.0 ±0.5	33.0 ±1.5	8.6
	HPL652533	3.7	500	6.5 ±0.2	25.0 ±0.5	33.0 ±1.5	9.4
	HPL762533	3.7	600	7.5 ±0.2	25.0 ±0.5	33.0 ±1.5	10.6
**2535	HPL552535	3.7	430	5.5 ±0.2	25.0 ±0.5	35.0 ±1.5	8.5
**2540	HPL602540	3.7	580	6.0 ±0.2	25.0 ±0.5	40.0 ±1.5	11.0

**2550	HPL702550	3.7	800	7.0 ±0.2	25.0 ±0.5	50.0 ±1.5	12.8
	HPL802550	3.7	950	8.0 ±0.2	25.0 ±0.5	50.0 ±1.5	14.6
	HPL852550	3.7	1000	8.5 ±0.2	25.0 ±0.5	50.0 ±1.5	15.3
	HPL902550	3.7	1100	9.0 ±0.2	25.0 ±0.5	50.0 ±1.5	16.2
	HPL932550	3.7	1200	9.3 ±0.2	25.0 ±0.5	50.0 ±1.5	16.7
**2626	HPL452626	3.7	230	4.5 ±0.2	26.0 ±0.5	26.0 ±1.5	5.0
**2631	HPL302631	3.7	220	3.0 ±0.2	26.0 ±0.5	31.0 ±1.5	4.3
	HPL652631	3.7	460	6.5 ±0.2	26.0 ±0.5	31.0 ±1.5	9.0
**2634	HPL452634	3.7	380	4.5 ±0.2	26.0 ±0.5	34.0 ±1.5	7.2
**2652	HPL602652	3.7	800	6.0 ±0.2	26.0 ±0.5	52.0 ±1.5	15.8
**2663	HPL602663	3.7	1000	6.0 ±0.2	26.0 ±0.5	63.0 ±1.5	19.8
**2734	HPL852734	3.7	750	8.5 ±0.2	27.0 ±0.5	34.0 ±1.5	13.5
**2739	HPL402739	3.7	400	4.0 ±0.2	27.0 ±0.5	39.0 ±1.5	8.0
**2742	HPL502742	3.7	580	5.0 ±0.2	27.0 ±0.5	42.0 ±1.5	10.8
	HPL752742	3.7	800	7.5 ±0.2	27.0 ±0.5	42.0 ±1.5	15.7
**2745	HPL902745	3.7	1100	9.0 ±0.2	27.0 ±0.5	45.0 ±1.5	20.5
**2775	HPL372775	3.7	750	3.7 ±0.2	27.0 ±0.5	75.0 ±1.5	15.5
**2834	HPL682834	3.7	600	6.8 ±0.2	28.0 ±0.5	34.0 ±1.5	11.6
**2844	HPL802844	3.7	1000	8.0 ±0.2	28.0 ±0.5	44.0 ±1.5	18.6
**2880	HPL432880	3.7	1000	4.3 ±0.2	28.0 ±0.5	80.0 ±1.5	21.0
**2897	HPL602897	3.7	1800	6.0 ±0.2	28.0 ±0.5	97.0 ±1.5	34.7
**2927	HPL372927	3.7	320	3.7 ±0.2	29.0 ±0.5	27.0 ±1.5	4.8
**2934	HPL902934	3.7	850	9.0 ±0.2	29.0 ±0.5	34.0 ±1.5	15.6
**2944	HPL602944	3.7	800	6.0 ±0.2	29.0 ±0.5	44.0 ±1.5	14.6
**2950	HPL652950	3.7	900	6.5 ±0.2	29.0 ±0.5	50.0 ±1.5	18.6
**2952	HPL672952	3.7	1100	6.7 ±0.2	29.0 ±0.5	52.0 ±1.5	20.0
**2990	HPL702990	3.7	1900	7.0 ±0.2	29.0 ±0.5	90.0 ±1.5	39.0
**29127	HPL3829127	3.7	1650	3.8 ±0.2	29.0 ±0.5	127.0 ±1.5	31.5
	HPL6029127	3.7	2500	6.0 ±0.2	29.0 ±0.5	127.0 ±1.5	48.0
**3030	HPL353030	3.7	250	3.5 ±0.2	30.0 ±0.5	30.0 ±1.5	5.5
	HPL453030	3.7	360	4.5 ±0.2	30.0 ±0.5	30.0 ±1.5	7.1
	HPL503030	3.7	400	5.0 ±0.2	30.0 ±0.5	30.0 ±1.5	7.9
	HPL563030	3.7	480	5.6 ±0.2	30.0 ±0.5	30.0 ±1.5	8.8
	HPL603030	3.7	520	6.0 ±0.2	30.0 ±0.5	30.0 ±1.5	9.3
	HPL683030	3.7	590	6.8 ±0.2	30.0 ±0.5	30.0 ±1.5	10.6
**3035	HPL303035	3.7	280	3.0 ±0.2	30.0 ±0.5	35.0 ±1.5	5.9
	HPL403035	3.7	380	4.0 ±0.2	30.0 ±0.5	35.0 ±1.5	7.6
	HPL503035	3.7	500	5.0 ±0.2	30.0 ±0.5	35.0 ±1.5	9.8
	HPL603035	3.7	600	6.0 ±0.2	30.0 ±0.5	35.0 ±1.5	11.4

**3040	HPL203040	3.7	210	2.0 ±0.2	30.0 ±0.5	40.0 ±1.5	4.4
	HPL303040	3.7	330	3.0 ±0.2	30.0 ±0.5	40.0 ±1.5	7.0
	HPL353040	3.7	350	3.5 ±0.2	30.0 ±0.5	40.0 ±1.5	8.2
	HPL423040	3.7	450	4.2 ±0.2	30.0 ±0.5	40.0 ±1.5	9.7
	HPL503040	3.7	550	5.0 ±0.2	30.0 ±0.5	40.0 ±1.5	11.5
	HPL553040	3.7	630	5.5 ±0.2	30.0 ±0.5	40.0 ±1.5	12.5
	HPL603040	3.7	650	6.0 ±0.2	30.0 ±0.5	40.0 ±1.5	13.7
	HPL803040	3.7	950	8.0 ±0.2	30.0 ±0.5	40.0 ±1.5	17.9
	HPL903040	3.7	1000	9.0 ±0.2	30.0 ±0.5	40.0 ±1.5	19.9
**3045	HPL603045	3.7	850	6.0 ±0.2	30.0 ±0.5	45.0 ±1.5	15.6
	HPL743045	3.7	1020	7.4 ±0.2	30.0 ±0.5	45.0 ±1.5	19.2
	HPL763045	3.7	1080	7.6 ±0.2	30.0 ±0.5	45.0 ±1.5	19.5
**3048	HPL353048	3.7	500	3.5 ±0.2	30.0 ±0.5	48.0 ±1.5	10.3
	HPL403048	3.7	580	4.0 ±0.2	30.0 ±0.5	48.0 ±1.5	11.5
	HPL453048	3.7	650	4.5 ±0.2	30.0 ±0.5	48.0 ±1.5	12.8
	HPL503048	3.7	750	5.0 ±0.2	30.0 ±0.5	48.0 ±1.5	14.4
	HPL603048	3.7	850	6.0 ±0.2	30.0 ±0.5	48.0 ±1.5	16.9
	HPL653048	3.7	900	6.5 ±0.2	30.0 ±0.5	48.0 ±1.5	18.4
	HPL703048	3.7	1020	7.0 ±0.2	30.0 ±0.5	48.0 ±1.5	20.0
	HPL743048	3.7	1100	7.4 ±0.2	30.0 ±0.5	48.0 ±1.5	20.8
	HPL853048	3.7	1200	8.5 ±0.2	30.0 ±0.5	48.0 ±1.5	23.0
HPL953048	3.7	1400	9.5 ±0.2	30.0 ±0.5	48.0 ±1.5	26.2	
**3060	HPL503060	3.7	900	5.0 ±0.2	30.0 ±0.5	60.0 ±1.5	18.5
	HPL603060	3.7	1000	6.0 ±0.2	30.0 ±0.5	60.0 ±1.5	22.0
	HPL703060	3.7	1400	7.0 ±0.2	30.0 ±0.5	60.0 ±1.5	25.5
	HPL903060	3.7	1750	9.0 ±0.2	30.0 ±0.5	60.0 ±1.5	32.5
**3080	HPL703080	3.7	1800	7.0 ±0.2	30.0 ±0.5	48.0 ±1.5	36.0
**30158	HPL4030158	3.7	2100	5.0 ±0.2	30.0 ±0.5	158.0 ±1.5	41.7
**30160	HPL8030160	3.7	4100	8.0 ±0.2	30.0 ±0.5	160.0 ±1.5	85.0
**3157	HPL333157	3.7	520	3.3 ±0.2	31.0 ±0.5	57.0 ±1.5	12.0
**3233	HPL453233	3.7	500	4.5 ±0.2	32.0 ±0.5	33.0 ±1.5	8.6
	HPL103233	3.7	1020	10.0 ±0.2	32.0 ±0.5	33.0 ±1.5	18.5
**3247	HPL613247	3.7	1000	6.1 ±0.2	32.0 ±0.5	47.0 ±1.5	18.0
**3248	HPL453248	3.7	800	4.5 ±0.2	32.0 ±0.5	48.0 ±1.5	13.8
**3270	HPL803270	3.7	2000	8.0 ±0.2	32.0 ±0.5	70.0 ±1.5	37.2
**3285	HPL343285	3.7	950	3.4 ±0.2	32.0 ±0.5	85.0 ±1.5	19.6
**3337	HPL503337	3.7	750	5.0 ±0.2	33.0 ±0.5	37.0 ±1.5	11.5
**3342	HPL573342	3.7	820	5.7 ±0.2	33.0 ±0.5	42.0 ±1.5	15.1
**3434	HPL283434	3.7	260	2.8 ±0.2	34.0 ±0.5	34.0 ±1.5	5.9

**3436	HPL323436	3.7	320	3.2 ±0.2	34.0 ±0.5	36.0 ±1.5	7.4
**3442	HPL373442	3.7	480	3.7 ±0.2	34.0 ±0.5	42.0 ±1.5	10.2
	HPL403442	3.7	560	4.0 ±0.2	34.0 ±0.5	42.0 ±1.5	11.3
	HPL453442	3.7	650	4.5 ±0.2	34.0 ±0.5	42.0 ±1.5	12.5
	HPL503442	3.7	750	5.0 ±0.2	34.0 ±0.5	42.0 ±1.5	14.0
	HPL553442	3.7	800	5.5 ±0.2	34.0 ±0.5	42.0 ±1.5	15.2
	HPL653442	3.7	900	6.5 ±0.2	34.0 ±0.5	42.0 ±1.5	17.9
	HPL703442	3.7	1100	7.0 ±0.2	34.0 ±0.5	42.0 ±1.5	19.3
**3444	HPL603444	3.7	850	6.0 ±0.2	34.0 ±0.5	44.0 ±1.5	17.4
	HPL703444	3.7	1000	7.0 ±0.2	34.0 ±0.5	44.0 ±1.5	20.5
	HPL863444	3.7	1400	8.6 ±0.2	34.0 ±0.5	44.0 ±1.5	24.7
**3445	HPL353445	3.7	470	3.5 ±0.2	34.0 ±0.5	45.0 ±1.5	10.5
	HPL383445	3.7	550	3.8 ±0.2	34.0 ±0.5	45.0 ±1.5	11.5
	HPL563445	3.7	820	5.6 ±0.2	34.0 ±0.5	45.0 ±1.5	17.0
	HPL603445	3.7	1000	6.0 ±0.2	34.0 ±0.5	45.0 ±1.5	17.9
	HPL753445	3.7	1100	7.5 ±0.2	34.0 ±0.5	45.0 ±1.5	22.0
	HPL903445	3.7	1450	9.0 ±0.2	34.0 ±0.5	45.0 ±1.5	26.5
**3446	HPL803446	3.7	1350	8.0 ±0.2	34.0 ±0.5	46.0 ±1.5	24.4
**3448	HPL303448	3.7	500	3.0 ±0.2	34.0 ±0.5	48.0 ±1.5	9.5
	HPL523448	3.7	800	5.2 ±0.2	34.0 ±0.5	48.0 ±1.5	16.0
	HPL603448	3.7	1000	6.0 ±0.2	34.0 ±0.5	48.0 ±1.5	18.4
**3450	HPL303450	3.7	500	3.0 ±0.2	34.0 ±0.5	50.0 ±1.5	10.4
	HPL383450	3.7	650	3.8 ±0.2	34.0 ±0.5	50.0 ±1.5	13.0
	HPL403450	3.7	700	4.0 ±0.2	34.0 ±0.5	50.0 ±1.5	13.5
	HPL453450	3.7	820	4.5 ±0.2	34.0 ±0.5	50.0 ±1.5	15.4
	HPL503450	3.7	900	5.0 ±0.2	34.0 ±0.5	50.0 ±1.5	17.3
	HPL553450	3.7	1000	5.5 ±0.2	34.0 ±0.5	50.0 ±1.5	19.0
	HPL603450	3.7	1100	6.0 ±0.2	34.0 ±0.5	50.0 ±1.5	20.2
	HPL653450	3.7	1200	6.5 ±0.2	34.0 ±0.5	50.0 ±1.5	22.2
	HPL803450	3.7	1500	8.0 ±0.2	34.0 ±0.5	50.0 ±1.5	27.0
	HPL903450	3.7	1600	9.0 ±0.2	34.0 ±0.5	50.0 ±1.5	30.0
	HPL103450	3.7	1700	10.0 ±0.2	34.0 ±0.5	50.0 ±1.5	33.4
**3455	HPL383455	3.7	780	3.8 ±0.2	34.0 ±0.5	55.0 ±1.5	15.0
**3457	HPL823457	3.7	1650	8.2 ±0.2	34.0 ±0.5	57.0 ±1.5	32.0
**3465	HPL703465	3.7	1700	7.0 ±0.2	34.0 ±0.5	65.0 ±1.5	32.0
	HPL853465	3.7	1900	8.5 ±0.2	34.0 ±0.5	65.0 ±1.5	39.0
**3496	HPL643496	3.7	2200	6.4 ±0.2	34.0 ±0.5	96.0 ±1.5	45.0
**3535	HPL833535	3.7	950	8.3 ±0.2	35.0 ±0.5	35.0 ±1.5	18.5
	HPL103535	3.7	1100	10.0 ±0.2	35.0 ±0.5	35.0 ±1.5	22.0



**3562	HPL503562	3.7	1100	5.0 ±0.2	35.0 ±0.5	62.0 ±1.5	23.0
**3568	HPL543568	3.7	1450	5.4 ±0.2	35.0 ±0.5	68.0 ±1.5	27.0
**35126	HPL5835126	3.7	3200	5.8 ±0.2	35.0 ±0.5	126.0 ±1.5	57.0
**3657	HPL583657	3.7	1250	5.8 ±0.2	36.0 ±0.5	57.0 ±1.5	24.0
**3745	HPL623745	3.7	1200	6.2 ±0.2	37.0 ±0.5	45.0 ±1.5	20.5
**3756	HPL603756	3.7	1350	6.0 ±0.2	37.0 ±0.5	56.0 ±1.5	25.4
**3759	HPL303759	3.7	700	3.0 ±0.2	37.0 ±0.5	59.0 ±1.5	13.9
	HPL363759	3.7	830	3.6 ±0.2	37.0 ±0.5	59.0 ±1.5	16.5
	HPL503759	3.7	1200	5.0 ±0.2	37.0 ±0.5	59.0 ±1.5	23.0
	HPL533759	3.7	1250	5.3 ±0.2	37.0 ±0.5	59.0 ±1.5	24.0
	HPL583759	3.7	1400	5.8 ±0.2	37.0 ±0.5	59.0 ±1.5	25.6
	HPL603759	3.7	1500	6.0 ±0.2	37.0 ±0.5	59.0 ±1.5	27.0
	HPL783759	3.7	1800	7.8 ±0.2	37.0 ±0.5	59.0 ±1.5	34.7
**3762	HPL463762	3.7	1200	4.6 ±0.2	37.0 ±0.5	62.0 ±1.5	22.8
	HPL573762	3.7	1500	5.7 ±0.2	37.0 ±0.5	62.0 ±1.5	27.0
**37107	HPL4837107	3.7	2000	4.8 ±0.2	37.0 ±0.5	107.0 ±1.5	42.0
	HPL5537107	3.7	2200	5.5 ±0.2	37.0 ±0.5	107.0 ±1.5	49.0
	HPL6037107	3.7	2500	6.0 ±0.2	37.0 ±0.5	107.0 ±1.5	52.5
**37110	HPL5537110	3.7	2200	5.5 ±0.2	37.0 ±0.5	110.0 ±1.5	50.0
	HPL6037110	3.7	2500	6.0 ±0.2	37.0 ±0.5	110.0 ±1.5	54.0
**3848	HPL713848	3.7	1400	7.1 ±0.2	38.0 ±0.5	48.0 ±1.5	26.0
	HPL903848	3.7	1700	9.0 ±0.2	38.0 ±0.5	48.0 ±1.5	32.5
**3860	HPL723860	3.7	1800	7.2 ±0.2	38.0 ±0.5	60.0 ±1.5	34.0
	HPL803860	3.7	2000	8.0 ±0.2	38.0 ±0.5	60.0 ±1.5	37.7
**3943	HPL503943	3.7	800	5.0 ±0.2	39.0 ±0.5	43.0 ±1.5	16.5
**3944	HPL703944	3.7	1350	7.0 ±0.2	39.0 ±0.5	44.0 ±1.5	24.0
**3947	HPL533947	3.7	1050	5.3 ±0.2	39.0 ±0.5	47.0 ±1.5	19.0
**4041	HPL614041	3.7	1050	6.1 ±0.2	40.0 ±0.5	41.0 ±1.5	18.9
**4052	HPL384052	3.7	820	3.8 ±0.2	40.0 ±0.5	52.0 ±1.5	16.5
	HPL504052	3.7	1100	5.0 ±0.2	40.0 ±0.5	52.0 ±1.5	21.5
**4053	HPL604053	3.7	1400	6.0 ±0.2	40.0 ±0.5	53.0 ±1.5	26.0
	HPL854053	3.7	1600	8.5 ±0.2	40.0 ±0.5	53.0 ±1.5	36.5
**4057	HPL464057	3.7	1100	4.6 ±0.2	40.0 ±0.5	57.0 ±1.5	21.5
	HPL504057	3.7	1200	5.0 ±0.2	40.0 ±0.5	57.0 ±1.5	24.0
**4068	HPL504068	3.7	1450	5.0 ±0.2	40.0 ±0.5	68.0 ±1.5	29.5
**4069	HPL354069	3.7	900	3.5 ±0.2	40.0 ±0.5	69.0 ±1.5	21.0
	HPL384069	3.7	1150	3.8 ±0.2	40.0 ±0.5	69.0 ±1.5	22.0
	HPL404069	3.7	1200	4.0 ±0.2	40.0 ±0.5	69.0 ±1.5	23.5

**4078	HPL504078	3.7	1600	5.0 ±0.2	40.0 ±0.5	78.0 ±1.5	34.0
**4139	HPL764139	3.7	1200	7.6 ±0.2	41.0 ±0.5	39.0 ±1.5	23.0
**4155	HPL724155	3.7	1680	7.2 ±0.2	41.0 ±0.5	55.0 ±1.5	33.5
	HPL754155	3.7	1750	7.5 ±0.2	41.0 ±0.5	55.0 ±1.5	34.5
**4166	HPL654166	3.7	2000	6.5 ±0.2	41.0 ±0.5	66.0 ±1.5	37.5
**4167	HPL304167	3.7	850	3.0 ±0.2	41.0 ±0.5	67.0 ±1.5	17.8
	HPL604167	3.7	1800	6.0 ±0.2	41.0 ±0.5	67.0 ±1.5	34.8
	HPL104167	3.7	3000	10.0 ±0.2	41.0 ±0.5	67.0 ±1.5	58.0
**4169	HPL454169	3.7	1300	4.5 ±0.2	41.0 ±0.5	69.0 ±1.5	27.0
	HPL504169	3.7	1450	5.0 ±0.2	41.0 ±0.5	69.0 ±1.5	30.8
	HPL654169	3.7	2000	6.5 ±0.2	41.0 ±0.5	69.0 ±1.5	39.5
**4250	HPL864250	3.7	1650	8.6 ±0.2	42.0 ±0.5	50.0 ±1.5	36.5
**4260	HPL704260	3.7	2200	7.0 ±0.2	42.0 ±0.5	60.0 ±1.5	37.5
**4265	HPL964265	3.7	3200	9.6 ±0.2	42.0 ±0.5	65.0 ±1.5	55.5
**4269	HPL864269	3.7	2950	8.6 ±0.2	42.0 ±0.5	69.0 ±1.5	52.8
**4275	HPL854275	3.7	3100	8.5 ±0.2	42.0 ±0.5	75.0 ±1.5	58.0
**4289	HPL384289	3.7	1450	3.8 ±0.2	42.0 ±0.5	89.0 ±1.5	32.0
	HPL504289	3.7	2100	5.0 ±0.2	42.0 ±0.5	89.0 ±1.5	42.0
**42113	HPL6842113	3.7	3600	6.8 ±0.2	42.0 ±0.5	113.0 ±1.5	73.0
**42140	HPL4542140	3.7	3500	4.5 ±0.2	42.0 ±0.5	140.0 ±1.5	60.5
**4355	HPL404355	3.7	950	4.0 ±0.2	43.0 ±0.5	55.0 ±1.5	19.5
**4359	HPL534359	3.7	1450	5.3 ±0.2	43.0 ±0.5	59.0 ±1.5	28.0
	HPL804359	3.7	2200	8.0 ±0.2	43.0 ±0.5	59.0 ±1.5	42.3
**4360	HPL304360	3.7	700	3.0 ±0.2	43.0 ±0.5	60.0 ±1.5	16.5
	HPL624360	3.7	1500	6.2 ±0.2	43.0 ±0.5	60.0 ±1.5	33.5
	HPL674360	3.7	1950	6.7 ±0.2	43.0 ±0.5	60.0 ±1.5	37.0
	HPL854360	3.7	2350	8.5 ±0.2	43.0 ±0.5	60.0 ±1.5	46.0
**4364	HPL284364	3.7	750	2.8 ±0.2	43.0 ±0.5	64.0 ±1.5	16.0
**4368	HPL754368	3.7	2600	7.5 ±0.2	43.0 ±0.5	68.0 ±1.5	46.5
**4370	HPL824370	3.7	2800	8.2 ±0.2	43.0 ±0.5	70.0 ±1.5	53.0
	HPL884370	3.7	3100	8.8 ±0.2	43.0 ±0.5	70.0 ±1.5	56.0
**4380	HPL784380	3.7	2900	7.8 ±0.2	43.0 ±0.5	80.0 ±1.5	57.6
**4388	HPL804388	3.7	3480	8.0 ±0.2	43.0 ±0.5	88.0 ±1.5	66.0
**4450	HPL854450	3.7	2000	8.5 ±0.2	44.0 ±0.5	50.0 ±1.5	38.0
	HPL904450	3.7	2200	9.0 ±0.2	44.0 ±0.5	50.0 ±1.5	40.0
	HPL954450	3.7	2300	9.5 ±0.2	44.0 ±0.5	50.0 ±1.5	42.0
**4455	HPL374455	3.7	1000	3.7 ±0.2	44.0 ±0.5	55.0 ±1.5	18.5
**4460	HPL504460	3.7	1450	5.0 ±0.2	44.0 ±0.5	60.0 ±1.5	28.0
**4472	HPL804472	3.7	2800	8.0 ±0.2	44.0 ±0.5	72.0 ±1.5	54.5

**4565	HPL524565	3.7	1600	5.2 ±0.2	45.0 ±0.5	65.0 ±1.5	31.0
**4654	HPL804654	3.7	2200	8.0 ±0.2	46.0 ±0.5	54.0 ±1.5	41.0
**4671	HPL534671	3.7	2000	5.3 ±0.2	46.0 ±0.5	71.0 ±1.5	37.0
**4677	HPL444677	3.7	2000	4.4 ±0.2	46.0 ±0.5	77.0 ±1.5	34.5
**4699	HPL604699	3.7	2850	6.0 ±0.2	46.0 ±0.5	99.0 ±1.5	61.0
**46102	HPL4546102	3.7	2500	4.5 ±0.2	46.0 ±0.5	102.0 ±1.5	47.5
**46146	HPL4546146	3.7	3400	4.5 ±0.2	46.0 ±0.5	146.0 ±1.5	70.0
**4759	HPL854759	3.7	2500	8.5 ±0.2	47.0 ±0.5	59.0 ±1.5	50.0
**4761	HPL604761	3.7	1900	6.0 ±0.2	47.0 ±0.5	61.0 ±1.5	36.5
**4763	HPL704763	3.7	2250	7.0 ±0.2	47.0 ±0.5	63.0 ±1.5	44.0
**4771	HPL474771	3.7	1700	4.7 ±0.2	47.0 ±0.5	71.0 ±1.5	33.5
	HPL964771	3.7	3800	9.6 ±0.2	47.0 ±0.5	71.0 ±1.5	69.0
**4783	HPL504783	3.7	2100	5.0 ±0.2	47.0 ±0.5	83.0 ±1.5	43.5
**47109	HPL8047109	3.7	5000	8.0 ±0.2	47.0 ±0.5	109.0 ±1.5	92.5
**4854	HPL454854	3.7	1550	4.5 ±0.2	48.0 ±0.5	54.0 ±1.5	24.3
	HPL464854	3.7	1700	4.6 ±0.2	48.0 ±0.5	54.0 ±1.5	25.0
**4856	HPL784856	3.7	2200	7.8 ±0.2	48.0 ±0.5	56.0 ±1.5	43.5
**4860	HPL654860	3.7	2000	6.5 ±0.2	48.0 ±0.5	60.0 ±1.5	40.0
	HPL784860	3.7	2400	7.8 ±0.2	48.0 ±0.5	60.0 ±1.5	47.0
	HPL824860	3.7	2800	8.2 ±0.2	48.0 ±0.5	60.0 ±1.5	50.0
	HPL904860	3.7	3000	9.0 ±0.2	48.0 ±0.5	60.0 ±1.5	54.5
**4872	HPL364872	3.7	1350	3.6 ±0.2	48.0 ±0.5	72.0 ±1.5	27.0
	HPL464872	3.7	1800	4.6 ±0.2	48.0 ±0.5	72.0 ±1.5	34.0
**4942	HPL364942	3.7	800	3.6 ±0.2	49.0 ±0.5	42.0 ±1.5	14.5
**4985	HPL854985	3.7	4100	8.5 ±0.2	49.0 ±0.5	85.0 ±1.5	78.0
**5048	HPL605048	3.7	1600	6.0 ±0.2	50.0 ±0.5	85.0 ±1.5	29.5
**5056	HPL685056	3.7	2100	6.8 ±0.2	50.0 ±0.5	56.0 ±1.5	40.0
	HPL955056	3.7	2750	9.5 ±0.2	50.0 ±0.5	56.0 ±1.5	55.0
**5060	HPL655060	3.7	2000	6.5 ±0.2	50.0 ±0.5	60.0 ±1.5	41.5
**5065	HPL505065	3.7	1800	5.0 ±0.2	50.0 ±0.5	65.0 ±1.5	35.0
**5067	HPL625067	3.7	2550	6.2 ±0.2	50.0 ±0.5	67.0 ±1.5	45.0
**5068	HPL425068	3.7	1600	4.2 ±0.2	50.0 ±0.5	68.0 ±1.5	31.0
	HPL485068	3.7	1800	4.8 ±0.2	50.0 ±0.5	68.0 ±1.5	35.0
	HPL495068	3.7	1900	4.9 ±0.2	50.0 ±0.5	68.0 ±1.5	36.5
	HPL555068	3.7	2000	5.5 ±0.2	50.0 ±0.5	68.0 ±1.5	41.0
	HPL805068	3.7	3000	8.0 ±0.2	50.0 ±0.5	68.0 ±1.5	58.5
**5080	HPL935080	3.7	4600	9.3 ±0.2	50.0 ±0.5	80.0 ±1.5	70.0
**5082	HPL395082	3.7	1800	3.9 ±0.2	50.0 ±0.5	80.0 ±1.5	35.5
**5085	HPL435085	3.7	2000	4.3 ±0.2	50.0 ±0.5	85.0 ±1.5	40.0

	HPL455085	3.7	2100	4.5 ±0.2	50.0 ±0.5	85.0 ±1.5	42.5
	HPL465085	3.7	2500	4.6 ±0.2	50.0 ±0.5	85.0 ±1.5	44.0
	HPL525085	3.7	2600	5.2 ±0.2	50.0 ±0.5	85.0 ±1.5	49.5
	HPL545085	3.7	2700	5.4 ±0.2	50.0 ±0.5	85.0 ±1.5	51.0
	HPL605085	3.7	3000	6.0 ±0.2	50.0 ±0.5	85.0 ±1.5	56.0
	HPL705085	3.7	3400	7.0 ±0.2	50.0 ±0.5	85.0 ±1.5	67.0
	HPL805085	3.7	3800	8.0 ±0.2	50.0 ±0.5	85.0 ±1.5	75.0
	HPL855085	3.7	4100	8.5 ±0.2	50.0 ±0.5	85.0 ±1.5	80.0
	HPL885085	3.7	4200	8.8 ±0.2	50.0 ±0.5	85.0 ±1.5	83.0
	HPL955085	3.7	4800	9.5 ±0.2	50.0 ±0.5	85.0 ±1.5	88.5
	HPL105085	3.7	5000	10.0 ±0.2	50.0 ±0.5	85.0 ±1.5	94.0
**50100	HPL3650100	3.7	2000	3.6 ±0.2	50.0 ±0.5	100.0 ±1.5	40.7
**50112	HPL5350112	3.7	3350	5.3 ±0.2	50.0 ±0.5	112.0 ±1.5	68.0
**5150	HPL345150	3.7	2300	3.4 ±0.2	51.0 ±0.5	50.0 ±1.5	17.5
**5158	HPL585158	3.7	1950	5.8 ±0.2	51.0 ±0.5	58.0 ±1.5	37.0
**5165	HPL555165	3.7	2100	5.5 ±0.2	51.0 ±0.5	65.0 ±1.5	39.0
**5166	HPL405166	3.7	1800	4.0 ±0.2	51.0 ±0.5	66.0 ±1.5	28.5
**5181	HPL865181	3.7	4100	8.6 ±0.2	51.0 ±0.5	81.0 ±1.5	78.0
**5255	HPL805255	3.7	2750	8.0 ±0.2	52.0 ±0.5	55.0 ±1.5	47.7
**5257	HPL445257	3.7	1700	4.4 ±0.2	52.0 ±0.5	57.0 ±1.5	27.0
**5262	HPL555262	3.7	1850	5.5 ±0.2	52.0 ±0.5	62.0 ±1.5	38.0
	HPL755262	3.7	2500	7.5 ±0.2	52.0 ±0.5	62.0 ±1.5	51.0
**5278	HPL405278	3.7	1900	4.0 ±0.2	52.0 ±0.5	78.0 ±1.5	35.0
**52101	HPL3552101	3.7	2000	3.5 ±0.2	52.0 ±0.5	101.0 ±1.5	42.0
	HPL5852101	3.7	3200	5.8 ±0.2	52.0 ±0.5	101.0 ±1.5	67.5
**5353	HPL445353	3.7	1650	4.4 ±0.2	53.0 ±0.5	53.0 ±1.5	26.0
**5363	HPL755363	3.7	3000	7.5 ±0.2	53.0 ±0.5	63.0 ±1.5	43.5
**5365	HPL675365	3.7	3000	6.7 ±0.2	53.0 ±0.5	65.0 ±1.5	50.0
**5373	HPL705373	3.7	3300	7.0 ±0.2	53.0 ±0.5	73.0 ±1.5	60.0
**5386	HPL105386	3.7	6000	10.0 ±0.2	53.0 ±0.5	86.0 ±1.5	101.0
**53155	HPL3053155	3.7	3000	3.0 ±0.2	53.0 ±0.5	155.0 ±1.5	57.7
**5462	HPL555462	3.7	2000	5.5 ±0.2	54.0 ±0.5	62.0 ±1.5	39.0
	HPL705462	3.7	2580	7.0 ±0.2	54.0 ±0.5	62.0 ±1.5	50.0
	HPL805462	3.7	3000	8.0 ±0.2	54.0 ±0.5	62.0 ±1.5	57.0
**5486	HPL905486	3.7	4100	9.0 ±0.2	54.0 ±0.5	86.0 ±1.5	92.5
**54102	HPL3654102	3.7	2500	3.6 ±0.2	54.0 ±0.5	102.0 ±1.5	45.0
**5545	HPL455545	3.7	1200	4.5 ±0.2	55.0 ±0.5	45.0 ±1.5	22.5
**5558	HPL325558	3.7	1150	3.2 ±0.2	55.0 ±0.5	58.0 ±1.5	21.0
**5566	HPL445566	3.7	2000	4.4 ±0.2	55.0 ±0.5	66.0 ±1.5	34.0

**5570	HPL885570	3.7	3900	8.8 ±0.2	55.0 ±0.5	70.0 ±1.5	73.0
	HPL905570	3.7	4000	9.0 ±0.2	55.0 ±0.5	70.0 ±1.5	75.0
**5575	HPL305575	3.7	1500	3.0 ±0.2	55.0 ±0.5	75.0 ±1.5	27.4
**5597	HPL485597	3.7	3000	4.8 ±0.2	55.0 ±0.5	97.0 ±1.5	57.8
**5670	HPL345670	3.7	1750	3.4 ±0.2	56.0 ±0.5	70.0 ±1.5	28.5
**5679	HPL805679	3.7	4500	8.0 ±0.2	56.0 ±0.5	79.0 ±1.5	78.0
**56156	HPL3256156	3.7	3100	3.2 ±0.2	56.0 ±0.5	156.0 ±1.5	64.0
**5770	HPL355770	3.7	1600	3.5 ±0.2	57.0 ±0.5	70.0 ±1.5	29.5
**5778	HPL455778	3.7	2600	4.5 ±0.2	57.0 ±0.5	78.0 ±1.5	44.0
**5784	HPL555784	3.7	2950	5.5 ±0.2	57.0 ±0.5	84.0 ±1.5	58.0
**57123	HPL3057123	3.7	2300	3.0 ±0.2	57.0 ±0.5	123.0 ±1.5	48.5
**5879	HPL485879	3.7	3000	4.8 ±0.2	58.0 ±0.5	79.0 ±1.5	48.7
**58110	HPL6558110	3.7	4200	6.5 ±0.2	58.0 ±0.5	110.0 ±1.5	95.0
	HPL7258110	3.7	5200	7.2 ±0.2	58.0 ±0.5	110.0 ±1.5	105.0
**58120	HPL4158120	3.7	3500	4.1 ±0.2	58.0 ±0.5	120.0 ±1.5	67.0
**58123	HPL2858123	3.7	2500	2.8 ±0.2	58.0 ±0.5	123.0 ±1.5	44.7
**5973	HPL385973	3.7	2300	3.8 ±0.2	59.0 ±0.5	73.0 ±1.5	36.0
**59111	HPL4259111	3.7	3300	4.2 ±0.2	59.0 ±0.5	111.0 ±1.5	63.0
**6066	HPL656066	3.7	3100	6.5 ±0.2	60.0 ±0.5	66.0 ±1.5	56.0
**6071	HPL366071	3.7	2100	3.6 ±0.2	60.0 ±0.5	71.0 ±1.5	33.7
**6080	HPL376080	3.7	2300	3.7 ±0.2	60.0 ±0.5	80.0 ±1.5	39.0
**6090	HPL606090	3.7	3700	6.0 ±0.2	60.0 ±0.5	90.0 ±1.5	72.5
	HPL806090	3.7	5000	8.0 ±0.2	60.0 ±0.5	90.0 ±1.5	97.0
**6091	HPL776091	3.7	5000	7.7 ±0.2	60.0 ±0.5	91.0 ±1.5	98.5
**60100	HPL4060100	3.7	3000	4.0 ±0.2	60.0 ±0.5	100.0 ±1.5	54.0
**6275	HPL326275	3.7	1400	3.2 ±0.2	62.0 ±0.5	75.0 ±1.5	33.0
**62107	HPL4562107	3.7	3000	4.5 ±0.2	62.0 ±0.5	107.0 ±1.5	68.0
**6381	HPL386381	3.7	2500	3.8 ±0.2	63.0 ±0.5	81.0 ±1.5	44.0
	HPL426381	3.7	2800	4.2 ±0.2	63.0 ±0.5	81.0 ±1.5	47.8
**6386	HPL406386	3.7	2500	4.0 ±0.2	63.0 ±0.5	86.0 ±1.5	47.6
**6387	HPL456387	3.7	3000	4.5 ±0.2	63.0 ±0.5	87.0 ±1.5	88.0
**63133	HPL3763133	3.7	3400	3.7 ±0.2	63.0 ±0.5	133.0 ±1.5	70.5
**6478	HPL486478	3.7	2500	4.8 ±0.2	64.0 ±0.5	78.0 ±1.5	53.0
	HPL566478	3.7	3000	5.6 ±0.2	64.0 ±0.5	78.0 ±1.5	62.0
**64130	HPL3564130	3.7	3500	3.5 ±0.2	64.0 ±0.5	130.0 ±1.5	65.0
**6570	HPL966570	3.7	5000	9.6 ±0.2	65.0 ±0.5	70.0 ±1.5	95.0
**6573	HPL366573	3.7	1800	3.6 ±0.2	65.0 ±0.5	73.0 ±1.5	37.9
**6576	HPL906576	3.7	4700	9.0 ±0.2	65.0 ±0.5	76.0 ±1.5	98.0
**6666	HPL416666	3.7	2300	4.1 ±0.2	66.0 ±0.5	66.0 ±1.5	39.0

**6770	HPL706770	3.7	3700	7.0 ±0.2	67.0 ±0.5	70.0 ±1.5	71.5
**67112	HPL3567112	3.7	3100	3.5 ±0.2	67.0 ±0.5	112.0 ±1.5	61.5
	HPL3867112	3.7	3400	3.8 ±0.2	67.0 ±0.5	112.0 ±1.5	66.0
**68140	HPL3568140	3.7	4000	3.5 ±0.2	68.0 ±0.5	140.0 ±1.5	77.0
**6987	HPL406987	3.7	2900	4.0 ±0.2	69.0 ±0.5	87.0 ±1.5	53.0
**69100	HPL3969100	3.7	3200	3.9 ±0.2	69.0 ±0.5	100.0 ±1.5	62.0
	HPL4069100	3.7	3350	4.0 ±0.2	69.0 ±0.5	100.0 ±1.5	63.0
**69110	HPL3669110	3.7	3000	3.6 ±0.2	69.0 ±0.5	110.0 ±1.5	63.0
**7093	HPL447093	3.7	3100	4.4 ±0.2	70.0 ±0.5	93.0 ±1.5	64.0
**7097	HPL357097	3.7	3000	3.5 ±0.2	70.0 ±0.5	97.0 ±1.5	53.0
**7280	HPL367280	3.7	2500	3.6 ±0.2	72.0 ±0.5	80.0 ±1.5	46.6
**7290	HPL317290	3.7	2400	3.1 ±0.2	72.0 ±0.5	90.0 ±1.5	44.5
**7390	HPL487390	3.7	3650	4.8 ±0.2	73.0 ±0.5	90.0 ±1.5	71.5
**7580	HPL767580	3.7	5500	7.6 ±0.2	75.0 ±0.5	80.0 ±1.5	101.0
**7590	HPL407590	3.7	3000	4.0 ±0.2	75.0 ±0.5	90.0 ±1.5	60.0
**7591	HPL437591	3.7	3600	4.3 ±0.2	75.0 ±0.5	91.0 ±1.5	66.0
**7595	HPL307595	3.7	2400	3.0 ±0.2	75.0 ±0.5	95.0 ±1.5	49.0
	HPL407595	3.7	2850	4.0 ±0.2	75.0 ±0.5	95.0 ±1.5	64.0
**7688	HPL387688	3.7	3100	3.8 ±0.2	76.0 ±0.5	88.0 ±1.5	58.0
**7696	HPL407696	3.7	3300	4.0 ±0.2	76.0 ±0.5	96.0 ±1.5	65.0
**76111	HPL3276111	3.7	3000	3.2 ±0.2	76.0 ±0.5	111.0 ±1.5	60.0
**7886	HPL367886	3.7	3000	3.6 ±0.2	78.0 ±0.5	86.0 ±1.5	55.0
**8290	HPL398290	3.7	3200	3.9 ±0.2	82.0 ±0.5	90.0 ±1.5	67.0
**8999	HPL388999	3.7	4000	3.8 ±0.2	89.0 ±0.5	99.0 ±1.5	76.0
**90120	HPL3790120	3.7	4500	3.7 ±0.2	90.0 ±0.5	120.0 ±1.5	93.0
**90125	HPL3390125	3.7	4300	3.3 ±0.2	90.0 ±0.5	125.0 ±1.5	87.0
**9493	HPL489493	3.7	4700	4.8 ±0.2	94.0 ±0.5	125.0 ±1.5	96.0
**98140	HPL3598140	3.7	6000	3.5 ±0.2	98.0 ±0.5	140.0 ±1.5	115.0
**100104	HPL32100104	3.7	3900	3.2 ±0.2	100.0 ±0.5	104.0 ±1.5	77.5
**103120	HPL27103120	3.7	4000	2.7 ±0.2	103.0 ±0.5	120.0 ±1.5	78.0
**105103	HPL38105103	3.7	5200	3.8 ±0.2	105.0 ±0.5	103.0 ±1.5	95.0

Note:

1. "HPL" refers to Hypercell lithium ion polymer battery.