



# HARDING

Energy, Inc.

## 2019 Lithium Polymer UL1642 Cell Selection Guide

509 East Ellis Road, Norton Shores, MI 49441 U.S.A.

Toll Free No. 1-800-798-7740

ISO 13485

No	Model	Secondary Type	Capacity (mAh)	Max Charging Voltage, Vdc	Test Agency
1	103035	Lithium ion (Pouch)	1000	4.2	UL
2	103450	Lithium ion (Pouch)	1700	4.2	UL
3	103496	Lithium ion (Pouch)	3800	4.2	UL
4	104242	Lithium ion (Pouch)	1750	4.2	UL
5	115577	Lithium ion (Pouch)	5000	4.2	UL
6	185467	Lithium ion (Pouch)	540	4.2	UL
7	185471	Lithium ion (Pouch)	600	4.2	UL
8	231517	Lithium ion (Pouch)	30	4.2	UL
9	251515	Lithium ion (Pouch)	20	4.2	UL
10	281323	Lithium ion (Pouch)	45	4.2	UL
11	302248	Lithium ion (Pouch)	230	4.2	UL
12	303032	Lithium ion (Pouch)	310	4.2	UL
13	303439	Lithium ion (Pouch)	350	4.2	UL
14	304380	Lithium ion (Pouch)	1180	4.2	UL
15	322033	Lithium ion (Pouch)	160	4.2	UL
16	323450	Lithium ion (Pouch)	500	4.2	UL
17	331030	Lithium ion (Pouch)	70	4.2	UL
18	331223	Lithium ion (Pouch)	65	4.2	UL
19	332328	Lithium ion (Pouch)	180	4.2	UL
20	333448	Lithium ion (Pouch)	500	4.2	UL
21	334561	Lithium ion (Pouch)	900	4.2	UL
22	342060	Lithium ion (Pouch)	400	4.2	UL
23	351013	Lithium ion (Pouch)	15	4.2	UL
24	351218	Lithium ion (Pouch)	40	4.2	UL
25	352328	Lithium ion (Pouch)	190	4.2	UL
26	353450	Lithium ion (Pouch)	600	4.2	UL
27	361226	Lithium ion (Pouch)	75	4.2	UL
28	371727	Lithium ion (Pouch)	140	4.2	UL
29	382530	Lithium ion (Pouch)	260	4.2	UL
30	383038	Lithium ion (Pouch)	430	4.2	UL
31	383840	Lithium ion (Pouch)	530	4.2	UL
32	401135	Lithium ion (Pouch)	120	4.2	UL
33	401221	Lithium ion (Pouch)	70	4.2	UL
34	401430	Lithium ion (Pouch)	130	4.2	UL
35	402025	Lithium ion (Pouch)	160	4.2	UL

\*\*Please request verification of capacity and dimensions to meet design requirements\*\*



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36	402040	Lithium ion (Pouch)	280	4.2	UL
37	402060	Lithium ion (Pouch)	450	4.2	UL
38	403035	Lithium ion (Pouch)	380	4.2	UL
39	403448	Lithium ion (Pouch)	700	4.2	UL
40	412025	Lithium ion (Pouch)	175	4.2	UL
41	422019	Lithium ion (Pouch)	135	4.2	UL
42	422441	Lithium ion (Pouch)	350	4.2	UL
43	422534	Lithium ion (Pouch)	400	4.2	UL
44	423035	Lithium ion (Pouch)	400	4.2	UL
45	423756	Lithium ion (Pouch)	920	4.2	UL
46	424763	Lithium ion (Pouch)	1250	4.2	UL
47	451225	Lithium ion (Pouch)	100	4.2	UL
48	451230	Lithium ion (Pouch)	138	4.2	UL
49	451575	Lithium ion (Pouch)	450	4.2	UL
50	452132	Lithium ion (Pouch)	180	4.2	UL
51	452626	Lithium ion (Pouch)	230	4.2	UL
52	453445	Lithium ion (Pouch)	700	4.2	UL
53	453686	Lithium ion (Pouch)	1550	4.2	UL
54	462539	Lithium ion (Pouch)	420	4.2	UL
55	471215	Lithium ion (Pouch)	45	4.2	UL
56	471736	Lithium ion (Pouch)	260	4.2	UL
57	487390	Lithium ion (Pouch)	3650	4.2	UL
58	498832	Lithium ion (Pouch)	120	4.2	UL
59	501218	Lithium ion (Pouch)	60	4.2	UL
60	501221	Lithium ion (Pouch)	80	4.2	UL
61	501232	Lithium ion (Pouch)	145	4.2	UL
62	501417	Lithium ion (Pouch)	50	4.2	UL
63	502030	Lithium ion (Pouch)	260	4.2	UL
64	502238	Lithium ion (Pouch)	410	4.2	UL
65	502248	Lithium ion (Pouch)	450	4.2	UL
66	502339	Lithium ion (Pouch)	420	4.2	UL
67	502530	Lithium ion (Pouch)	390	4.2	UL
68	503030	Lithium ion (Pouch)	400	4.2	UL
69	503035	Lithium ion (Pouch)	500	4.2	UL
70	503040	Lithium ion (Pouch)	550	4.2	UL

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71	503048	Lithium ion (Pouch)	700	4.2	UL
72	503759	Lithium ion (Pouch)	1150	4.2	UL
73	504243	Lithium ion (Pouch)	1000	4.2	UL
74	505080	Lithium ion (Pouch)	2200	4.2	UL
75	505452	Lithium ion (Pouch)	1500	4.2	UL
76	511422	Lithium ion (Pouch)	110	4.2	UL
77	534740	Lithium ion (Pouch)	1000	4.2	UL
78	534863	Lithium ion (Pouch)	1800	4.2	UL
79	535056	Lithium ion (Pouch)	1500	4.2	UL
80	541124	Lithium ion (Pouch)	95	4.2	UL
81	541646	Lithium ion (Pouch)	380	4.2	UL
82	551419	Lithium ion (Pouch)	100	4.2	UL
83	551430	Lithium ion (Pouch)	180	4.2	UL
84	552030	Lithium ion (Pouch)	250	4.2	UL
85	552535	Lithium ion (Pouch)	430	4.2	UL
86	554856	Lithium ion (Pouch)	1500	4.2	UL
87	555068	Lithium ion (Pouch)	2000	4.2	UL
88	555161	Lithium ion (Pouch)	2000	4.2	UL
89	576091	Lithium ion (Pouch)	3800	4.2	UL
90	581219	Lithium ion (Pouch)	85	4.2	UL
91	593562	Lithium ion (Pouch)	1400	4.2	UL
92	601218	Lithium ion (Pouch)	80	4.2	UL
93	601220	Lithium ion (Pouch)	100	4.2	UL
94	601265	Lithium ion (Pouch)	450	4.2	UL
95	601313	Lithium ion (Pouch)	55	4.2	UL
96	601629	Lithium ion (Pouch)	270	4.2	UL
97	601818	Lithium ion (Pouch)	135	4.2	UL
98	602025	Lithium ion (Pouch)	240	4.2	UL
99	602030	Lithium ion (Pouch)	300	4.2	UL
100	602535	Lithium ion (Pouch)	500	4.2	UL
101	603048	Lithium ion (Pouch)	800	4.2	UL
102	603450	Lithium ion (Pouch)	1000	4.2	UL
103	604289	Lithium ion (Pouch)	2750	4.2	UL
104	605092	Lithium ion (Pouch)	3500	4.2	UL
105	623448	Lithium ion (Pouch)	1000	4.2	UL

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106	634439	Lithium ion (Pouch)	1150	4.2	UL
107	643496	Lithium ion (Pouch)	2200	4.2	UL
108	645097	Lithium ion (Pouch)	3700	4.2	UL
109	653640	Lithium ion (Pouch)	1000	4.2	UL
110	654260	Lithium ion (Pouch)	1700	4.2	UL
111	661515	Lithium ion (Pouch)	85	4.2	UL
112	676091	Lithium ion (Pouch)	2000	4.2	UL
113	682634	Lithium ion (Pouch)	500	4.2	UL
114	694055	Lithium ion (Pouch)	1800	4.2	UL
115	701435	Lithium ion (Pouch)	300	4.2	UL
116	701566	Lithium ion (Pouch)	580	4.2	UL
117	701736	Lithium ion (Pouch)	350	4.2	UL
118	702044	Lithium ion (Pouch)	600	4.2	UL
119	702530	Lithium ion (Pouch)	500	4.2	UL
120	705048	Lithium ion (Pouch)	2000	4.2	UL
121	706091	Lithium ion (Pouch)	4100	4.2	UL
122	751671	Lithium ion (Pouch)	840	4.2	UL
123	752742	Lithium ion (Pouch)	800	4.2	UL
124	753775	Lithium ion (Pouch)	2500	4.2	UL
125	782245	Lithium ion (Pouch)	720	4.2	UL
126	784860	Lithium ion (Pouch)	2400	4.2	UL
127	801437	Lithium ion (Pouch)	350	4.2	UL
128	802056	Lithium ion (Pouch)	1100	4.2	UL
129	803040	Lithium ion (Pouch)	950	4.2	UL
130	803270	Lithium ion (Pouch)	2000	4.2	UL
131	803562	Lithium ion (Pouch)	2000	4.2	UL
132	804050	Lithium ion (Pouch)	1800	4.2	UL
133	805085	Lithium ion (Pouch)	3800	4.2	UL
134	844069	Lithium ion (Pouch)	2600	4.2	UL
135	852934	Lithium ion (Pouch)	800	4.2	UL
136	863343	Lithium ion (Pouch)	1400	4.2	UL
137	902025	Lithium ion (Pouch)	300	4.2	UL
138	902542	Lithium ion (Pouch)	830	4.2	UL
139	907070	Lithium ion (Pouch)	2100	4.2	UL
140	913947	Lithium ion (Pouch)	1900	4.2	UL

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141	982232	Lithium ion (Pouch)	650	4.2	UL
142	3649135	Lithium ion (Pouch)	2850	4.2	UL
143	4562107	Lithium ion (Pouch)	1500	4.2	UL
144	6558110	Lithium ion (Pouch)	4200	4.2	UL
145	653450G	Lithium ion (Pouch)	1250	4.2	UL
146	JHY802025	Lithium ion (Pouch)	320	4.2	UL
147	YE382745C	Lithium ion (Pouch)	450	4.2	UL
1	561524	Lithium ion (Pouch)	150	4.2	TUV
2	300937	Lithium ion (Pouch)	68	4.2	TUV
3	501515	Lithium ion (Pouch)	65	4.2	TUV
4	705590	Lithium ion (Pouch)	4000	4.2	TUV
5	563240	Lithium ion (Pouch)	750	4.2	TUV
6	112257	Lithium ion (Pouch)	1400	4.2	TUV
7	342030	Lithium ion (Pouch)	160	4.2	TUV
8	342530	Lithium ion (Pouch)	200	4.2	TUV
9	342323	Lithium ion (Pouch)	125	4.2	TUV
10	605060	Lithium ion (Pouch)	2000	4.2	TUV
11	301320	Lithium ion (Pouch)	55	4.2	TUV
12	305048	Lithium ion (Pouch)	620	4.2	TUV
13	454598	Lithium ion (Pouch)	2400	4.2	TUV
14	402030	Lithium ion (Pouch)	200	4.2	TUV
15	421428	Lithium ion (Pouch)	120	4.2	TUV
16	342634	Lithium ion (Pouch)	270	4.2	TUV
17	655659	Lithium ion (Pouch)	2600	4.2	TUV
18	451515	Lithium ion (Pouch)	65	4.2	TUV
19	764763	Lithium ion (Pouch)	2500	4.2	TUV
20	408815	Lithium ion (Pouch)	30	4.2	TUV
21	852030	Lithium ion (Pouch)	450	4.2	TUV
22	753440	Lithium ion (Pouch)	950	4.2	TUV
23	743443	Lithium ion (Pouch)	1100	4.2	TUV
24	601235	Lithium ion (Pouch)	200	4.2	TUV
25	8047109	Lithium ion (Pouch)	5000	4.2	TUV
26	602248	Lithium ion (Pouch)	630	4.2	TUV
27	811421	Lithium ion (Pouch)	160	4.2	TUV

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28	454598	Lithium ion (Pouch)	2400	4.2	TUV
29	105161	Lithium ion (Pouch)	3600	4.2	TUV
30	403048	Lithium ion (Pouch)	580	4.2	TUV
31	301521	Lithium ion (Pouch)	77	4.2	TUV
32	832370	Lithium ion (Pouch)	1400	4.2	TUV
33	702060	Lithium ion (Pouch)	900	4.2	TUV
34	834680	Lithium ion (Pouch)	4000	4.2	TUV
35	431219	Lithium ion (Pouch)	60	4.2	TUV
36	903848	Lithium ion (Pouch)	1700	4.2	TUV
37	824069	Lithium ion (Pouch)	2600	4.2	TUV
38	502040	Lithium ion (Pouch)	380	4.2	TUV
39	463038	Lithium ion (Pouch)	500	4.2	TUV
40	401550	Lithium ion (Pouch)	280	4.2	TUV
41	684050	Lithium ion (Pouch)	1500	4.2	TUV
42	401416	Lithium ion (Pouch)	43	4.2	TUV
43	491442	Lithium ion (Pouch)	250	4.2	TUV
44	602035	Lithium ion (Pouch)	400	4.2	TUV
45	404674	Lithium ion (Pouch)	1800	4.2	TUV
46	252844	Lithium ion (Pouch)	250	4.2	TUV
47	565475	Lithium ion (Pouch)	2600	4.2	TUV
48	854360G	Lithium ion (Pouch)	2350	4.2	TUV
49	103379	Lithium ion (Pouch)	3000	4.2	TUV
50	351725	Lithium ion (Pouch)	120	4.2	TUV