AERVOENERGY

Battery Cell Selection Guide

Updated on May 28, 2026

No.	Model ③	Capacity *Ah*	Voltage *V*	Chemistry	Dimensions			Tab Specifications			Weight *g*	AC IR *mΩ*	Vol. ED *Wh/L*	Grav. ED *Wh/kg*	Cycle Life ②	Discharge	
					T *mm*	W *mm*	L *mm*	Width *mm* ①	Pitch *mm*	Material						Cont.	Burst
1	1070H0	20.0	3.70	High-Ni / Si-C	10.1 max	70 max	171 max	(+/-) 15	30.0±1.5	Al-Ni-Cu / Ni-Cu	245	≤ 2.3	≈ 612	302	0.2C/3C@500≥70%	5C	7C
2	A270H1	22.0	3.70	High-Ni / Si-C	10.5 max	70 max	171 max	(+/-) 15	30.0±1.5	Al-Ni-Cu / Ni-Cu	254	≤ 2.3	≈ 630	320	0.2C/3C@400≥70%	5C	7C
3	7197T6	31.5	3.70	High-Ni / Si-C	7.15 max	95.5±1.5	264.0±1.5	(+/-) 25	45.0±1.5	Al-Ni-Cu / Ni-Cu	385	≤ 2.3	≈ 640	303	0.2C/3C@400≥70%	5C	7C
4	6497T6	37.5	3.70	High-Ni / Si-C	6.7 max	95.5±1.5	264.0±1.5	(+/-) 25	45.0±1.5	Al-Ni-Cu / Ni-Cu	380	≤ 2.5	≈ 751	365	0.5C/1C@300≥70%	3C	5C
5	6375H5	10.0	3.75	Mid-Ni / C	6.5 max	75 max	175 max	(+/-) 25	35.0±1.5	Al-Ni-Cu / Ni-Cu	170	≤ 1.5	≈ 465	221	1C/6C@500≥80%	8C	15C
6	6875H5	15.0	3.75	High-Ni / Si-C	7.0 max	75 max	175 max	(+/-) 25	35.0±1.5	Al-Ni-Cu / Ni-Cu	185	≤ 2.0	≈ 630	304	0.5C/2C@300≥70%	3C	5C
7	8075H5	16.0	3.95	NCM+LCO / Si-C	8.2 max	75 max	175 max	(+/-) 25	35.0±1.5	Al-Ni-Cu / Ni-Cu	225	≤ 2.0	≈ 587	281	0.5C/3C@300≥70%	7C	10C
8	8775H5	24.5	3.70	High-Ni / Si-C	8.7±0.3	75 max	175 max	(+/-) 25	35.0±1.5	Al-Ni-Cu / Ni-Cu	252	≤ 2.5	≈ 772	360	0.5C/2C@300≥70%	5C	7C
9	A675H5	29.5	3.70	High-Ni / Si-C	10.7 max	75 max	175 max	(+/-) 25	35.0±1.5	Al-Ni-Cu / Ni-Cu	303	≤ 2.0	≈ 755	360	0.5C/2C@300≥70%	5C	7C
10	B575H5	33.0	3.75	High-Ni / Si-C	11.5 max	75 max	175 max	(+/-) 25	35.0±1.5	Al-Ni-Cu / Ni-Cu	335	≤ 2.0	≈ 784	369	0.5C/2C@300≥70%	3C	5C
11	9575H5	30.0	3.70	High-Ni / Si-C	9.5 max	75 max	175 max	(+/-) 25	35.0±1.5	Al-Ni-Cu Trans.	277	≤ 2.0	≈ 875	401	0.2C/0.5C@200≥80%	3C	5C
12	9075H5	30.0	3.70	High-Ni / Si-C	9.0 max	75 max	175 max	(+/-) 25	35.0±1.5	Al-Ni-Cu / Ni-Cu	252	≤ 2.0	≈ 916	440	0.2C/0.5C@100≥80%	3C	5C
13	B075H5	34.0	3.70	High-Ni / Si-C	11.0 max	75 max	175 max	(+/-) 25	35.0±1.5	Al-Ni-Cu / Ni-Cu	314	≤ 2.0	≈ 822	401	0.2C/0.5C@200≥80%	3C	5C
14	E075H5	39.5	3.70	High-Ni / Si-C	14.0 max	75 max	175 max	(+/-) 25	35.0±1.5	Al-Ni-Cu / Ni-Cu	390	≤ 2.0	≈ 748	375	0.5C/0.5C@300≥70%	3C	5C
15	8888J9	28.0	3.70	High-Ni / Si-C	8.8 max	88 max	189 max	(+/-) 25	49.0±1.5	Al-Ni-Cu / Ni-Cu	306	≤ 1.5	≈ 708	339	0.5C/2C@300≥80%	5C	7C
16	B188J9	30.0	3.70	High-Ni / Si-C	11.1 max	88 max	189 max	(+/-) 25	49.0±1.5	Al-Ni-Cu / Ni-Cu	396	≤ 2.0	≈ 585	280	0.5C/5C@400≥80%	7C	10C
17	B588J9	40.0	3.70	High-Ni / Si-C	11.5 max	88 max	189 max	(+/-) 25	49.0±1.5	Al-Ni-Cu / Ni-Cu	420	≤ 2.0	≈ 764	352	0.5C/2C@300≥80%	5C	7C
18	A988J9	40.0	3.70	High-Ni / Si-C	10.9 max	88 max	189 max	(+/-) 25	49.0±1.5	Al-Ni-Cu / Ni-Cu	400	≤ 1.2	≈ 783	370	0.5C/2C@300≥80%	3C	5C
19	A088J9	41.0	3.70	High-Ni / Si-C	10.0 max	88 max	189 max	(+/-) 25	40.0±1.5	Al-Ni-Cu / Ni-Cu	367	≤ 2.0	≈ 912	413	0.2C/0.5C@200≥80%	3C	5C
20	A890K5	48.0	3.70	High-Ni / Si-C	10.8 max	90 max	195 max	(+/-) 30	45.0±1.5	Al / Ni-Cu	434.5	≤ 1.8	≈ 893	409	0.2C/0.5C@200≥80%	3C	5C
21	74D4W7	49.0	3.70	High-Ni / Si-C	7.5 max	134 max	287 max	(+/-) 40	70.0±1.5	Al / Ni-Cu	614	≤ 1.5	≈ 620	295	0.5C/2.0C@400≥70%	3C	5C
22	72D0A2	55.0	3.70	High-Ni / Si-C	7.25 max	130 max	312 max	(+/-) 45	65.0±1.5	Al / Ni-Cu	640	≤ 1.5	≈ 661	318	0.5C/2C@400≥70%	3C	5C
23	A6A5P0	30.0	3.75	Mid-Ni NCM / C	10.6 max	105 max	230 max	(+/-) 35	50.0±1.5	Al / Ni-Cu	545	≤ 0.8	≈ 439	206	5C/10C@800≥80%	10C	25C
24	A5D6K7	30.0	3.75	Mid-Ni NCM / C	10.5 max	136 max	197 max	(+/-) 45	65.0±1.5	Al / Ni-Cu	556	≤ 0.8	≈ 400	202	5C/10C@800≥80%	10C	25C
25	A6D6K7	45.0	3.95	LCO / C	10.6±0.4	136 max	197 max	(+/-) 45	65.0±1.5	Al / Ni-Cu	635	≤ 1.0	≈ 612	280	1C/3C@400≥80%	5C	10C
26	A4G1N7	66.0	3.95	NCM+LCO / Si-C	10.35 max	161 max	227 max	(+/-) 50	80.0±1.5	Al / Ni-Cu	850	≤ 1.2	≈ 628	307	1C/1C@500≥80%	3C	5C

Notes

① Tab width and material can be customized upon request (extra charges may apply).

② Cycle life reflects specified test conditions; final metrics are subject to agreed technical specifications.

③ Model suffixes denote L×W footprint series (e.g., 70H0, 75H5, 88J9); capacities can be customized by adjusting cell thickness with existing tooling.

★ Cell performance (C-rate, energy density, cycle life) can be enhanced for high-end applications (cost may vary). Custom cell designs and new tooling are available.