

Illustrative render generated from published specifications

Linkdata 65P

Linkdata · released 2026

21700 NMC

MOOCH-TESTED · 52 A



Live page & updates

6,500 mAh CAPACITY	52 A MOOCH CONTINUOUS	3.6 V NOMINAL · 2.5 – 4.2 V	23.4 Wh ENERGY · 333.33 WH/KG
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REFERENCE ONLY — NOT AN OFFICIAL DOCUMENT

This information is gathered from multiple sources, including manufacturer datasheets, independent third-party testing, and community contributions. Cell specifications vary between production batches and change over time, and no figure here is guaranteed to be correct or current. **Always consult the manufacturer's spec sheet directly.** Use this sheet for reference only — never as the sole basis for a safety-critical decision about charging, discharging, or assembling cells. The cell image is an illustrative render generated from published specifications, not a photograph.

CAPACITY AMONG 21700S #1 of 72 Lowest in databaseHighest Top tier for both capacity and discharge. One of the best all-around 21700 cells.	VOLTAGE OPERATING WINDOW 1.7 V usable Cutoff 2.5 VNominal 3.6 VMax 4.2 V Below nominal the cell sags fast under load; above it, the last of the capacity fills slowly on the constant-voltage taper.
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APPLICATION SUITABILITY

Rule-of-thumb ratings from this cell's capacity and continuous discharge. Check your own load before committing.

Powerwalls	High capacity means more stored energy per cell. Fewer cells needed for a given kWh target.
Ebike packs	Good balance of capacity for range and discharge for hills. Works well in most ebike packs.
Car audio	Enough discharge to handle amplifier bursts without voltage sag.
High-drain vaping	Above the 25A Mooch CDR threshold. Suitable for regulated and mechanical mods.
Flashlights	High capacity means long runtime. Great for everyday carry and extended use.
Power tools	Sufficient discharge and capacity for most power tool packs.

IDENTITY		PHYSICAL	
Manufacturer	Linkdata	Weight	70.2 g
Model	65P	ELECTRICAL	
Format	21700	Rated capacity	6,500 mAh
Chemistry	NMC	Nominal voltage	3.6 V
Year released	2026	Max charge voltage	4.2 V
Protection	Unprotected	Discharge cutoff	2.5 V
ENERGY & POWER DENSITY		Energy	23.4 Wh
Energy	23.4 Wh	Internal resistance	4.5 mΩ
Specific energy	333.33 Wh/kg	Max continuous discharge	52 A (mooch)
Power density (mass)	2,667 W/kg	Discharge C-rate	8C
Capacity ranking	#1 of 72 21700s	Standard charge current	8,000 mA
		Typical charge time	0.8 h
		Cycle life	600 cycles

C-RATE CONVERSION · 6,500 MAH

C-RATE	CURRENT	THEORETICAL RUNTIME
0.2C	1.3 A	5h 00m
0.5C	3.25 A	2h 00m
1C	6.5 A	1h 00m
2C	13 A	30m
3C	19.5 A	20m
5C	32.5 A	12m
8C	52 A	7m 30s

Highlighted row is closest to the rated 52 A continuous discharge.

CHARGING

RATE	CURRENT	ESTIMATED TIME TO FULL
0.5C	3,250 mA	~2h 00m

1C	6,500 mA	~1h 00m
Standard	8,000 mA	~0h 49m

Constant-current phase only. Real charge time runs longer because of the constant-voltage taper at the end.

SERIES PACK CONFIGURATIONS

Voltages calculated from this cell's own nominal and maximum charge voltage. The 3P columns show one common parallel count as a worked example — scale the parallel group to the capacity you need.

SERIES	NOMINAL	FULLY CHARGED	CELLS AT 3P	CAPACITY	ENERGY
3S	10.8 V	12.6 V	9	19.5 Ah	211 Wh
7S	25.2 V	29.4 V	21	19.5 Ah	491 Wh
10S	36 V	42 V	30	19.5 Ah	702 Wh
13S	46.8 V	54.6 V	39	19.5 Ah	913 Wh
14S	50.4 V	58.8 V	42	19.5 Ah	983 Wh

EXAMPLE PACKS

7S2P 24V ebike / small pack 14 cells · 25.2 V 13,000 mAh · 328 Wh 104 A max · ≈0.98 kg cells	13S4P 48V ebike standard 52 cells · 46.8 V 26,000 mAh · 1,217 Wh 208 A max · ≈3.65 kg cells	16S4P DIY powerwall 64 cells · 57.6 V 26,000 mAh · 1,498 Wh 208 A max · ≈4.49 kg cells	4S6P Power tool replacement 24 cells · 14.4 V 39,000 mAh · 562 Wh 312 A max · ≈1.68 kg cells
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SIMILAR CELLS

Same format and chemistry, within ±500 mAh.

CELL	MAH	CONTINUOUS	WH	WEIGHT	WH/KG
Linkdata 65P (this cell)	6,500	52 A	23.4	70.2 g	333
Amprius INR21700-65	6,500	13 A	23.4	74 g	316
BAK 65E	6,500	25 A	23.4	—	—
Vapcell F63	6,250	12 A	22.5	—	—
Linkdata 60P	6,000	60 A	21.6	68 g	318
Vapcell F60	6,000	12 A	21.6	74 g	292

HANDLING & SAFETY

- Never charge above 4.2V or discharge below 2.5V.
- Store cells at around 3.6-3.8V (roughly 40-60% charge) for long-term storage.
- Don't mix cells with different capacities, chemistries, or states of charge in a pack.
- Inspect wraps before use. A torn wrap can cause a short circuit.
- Always use a BMS or balance charger appropriate for your pack configuration.
- Keep cells away from metal objects, keys, and coins. A short across the terminals can cause fire.

SOURCES & FURTHER READING

Cell Saviors page	cellsaviors.com/cell-database/linkdata-65p
Independent test (Mooch)	https://www.e-cigarette-forum.com/threads/bench-test-results-l...
Full cell database	cellsaviors.com/cell-database