

Illustrative render generated from published specifications

Hohm Tech

Hohm Mega



Live page & updates

Hohm Tech

18650

NMC

MOOCH-TESTED · 22 A

2,505 mAh CAPACITY	22 A MOOCH CONTINUOUS	3.6 V NOMINAL · 2.5 – 4.2 V	9.02 Wh ENERGY
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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 18650S #131 of 279 Lowest in database Highest Higher discharge than 78% of 18650 cells in our database. Great for high-drain builds.	VOLTAGE OPERATING WINDOW 1.7 V usable Cutoff 2.5 V Nominal 3.6 V Max 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	Usable in regulated mods at moderate wattage. Not recommended for mechanical mods.
Flashlights	Decent runtime. Works well for most flashlights.
Power tools	Sufficient discharge and capacity for most power tool packs.

IDENTITY		ELECTRICAL	
Manufacturer	Hohm Tech	Rated capacity	2,505 mAh
Model	Hohm Mega	Nominal voltage	3.6 V
Format	18650	Max charge voltage	4.2 V
Chemistry	NMC	Discharge cutoff	2.5 V
Terminal	Flat top	Energy	9.02 Wh
Protection	Unprotected	Max continuous discharge	22 A (mooch)
ENERGY & POWER DENSITY		Discharge C-rate	8.8C
Energy	9.02 Wh	Standard charge current	4,140 mA
Capacity ranking	#131 of 279 18650s	Typical charge time	0.6 h

C-RATE CONVERSION · 2,505 MAH

C-RATE	CURRENT	THEORETICAL RUNTIME
0.2C	0.5 A	5h 00m
0.5C	1.25 A	2h 00m
1C	2.51 A	1h 00m
2C	5.01 A	30m
3C	7.52 A	20m
5C	12.52 A	12m
8C	20.04 A	7m 30s

Highlighted row is closest to the rated 22 A continuous discharge.

CHARGING

RATE	CURRENT	ESTIMATED TIME TO FULL
0.5C	1,253 mA	~2h 00m
1C	2,505 mA	~1h 00m
Standard	4,140 mA	~0h 36m

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	7.5 Ah	81 Wh
7S	25.2 V	29.4 V	21	7.5 Ah	189 Wh
10S	36 V	42 V	30	7.5 Ah	271 Wh
13S	46.8 V	54.6 V	39	7.5 Ah	352 Wh
14S	50.4 V	58.8 V	42	7.5 Ah	379 Wh

EXAMPLE PACKS

7S2P 24V ebike / small pack 14 cells · 25.2 V 5,010 mAh · 126 Wh 44 A max	13S4P 48V ebike standard 52 cells · 46.8 V 10,020 mAh · 469 Wh 88 A max	16S4P DIY powerwall 64 cells · 57.6 V 10,020 mAh · 577 Wh 88 A max	4S6P Power tool replacement 24 cells · 14.4 V 15,030 mAh · 216 Wh 132 A max
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SIMILAR CELLS

Same format and chemistry, within ± 500 mAh.

CELL	MAH	CONTINUOUS	WH	WEIGHT	WH/KG
Hohm Tech Hohm Mega (this cell)	2,505	22 A	9.02	—	—
LG LGABD11865	3,000	5.8 A	11.3	48.5 g	232
LG LGDBD11865	3,000	5.8 A	11.3	48.5 g	232
Samsung ICR18650-30B	2,950	5.9 A	11.2	48 g	232
Samsung ICR18650-30A	3,000	6 A	11.1	48 g	231
Hohm Tech DEPOT	3,005	16 A	10.8	—	—

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/hohm-tech-hohm-mega
Independent test (Mooch)	https://www.e-cigarette-forum.com/threads/bench-test-results-h...
Full cell database	cellsaviors.com/cell-database