

Illustrative render generated from published specifications

BAK B18650CA



BAK

18650

NMC

MOOCH-TESTED · 15 A

Live page & updates

2,250 mAh

CAPACITY

15 A

MOOCH CONTINUOUS

3.6 V

NOMINAL · 2.8 – 4.2 V

8.1 Wh

ENERGY

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

#81 of 169

Lowest in database

Highest

Higher discharge than 84% of 18650 cells in our database.

Great for high-drain builds.

VOLTAGE OPERATING WINDOW

1.4 V usable

Cutoff 2.8 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.

APPLICATION SUITABILITY

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

Powerwalls	Usable for powerwalls but lower capacity means you'll need more cells to hit your target kWh.
Ebike packs	Marginal. Check your motor's peak draw first. You might get voltage sag under load.
Car audio	Might work for smaller setups. Check your amp's peak current draw.
High-drain vaping	Usable in regulated mods at moderate wattage. Not recommended for mechanical mods.
Flashlights	Lower capacity means shorter runtime. Better cells are available for flashlight use.
Power tools	Sufficient discharge and capacity for most power tool packs.

3S	10.8 V	12.6 V	9	6.8 Ah	73 Wh
7S	25.2 V	29.4 V	21	6.8 Ah	170 Wh
10S	36 V	42 V	30	6.8 Ah	243 Wh
13S	46.8 V	54.6 V	39	6.8 Ah	316 Wh
14S	50.4 V	58.8 V	42	6.8 Ah	340 Wh

EXAMPLE PACKS

7S2P 24V ebike / small pack 14 cells · 25.2 V 4,500 mAh · 113 Wh 30 A max	13S4P 48V ebike standard 52 cells · 46.8 V 9,000 mAh · 421 Wh 60 A max	16S4P DIY powerwall 64 cells · 57.6 V 9,000 mAh · 518 Wh 60 A max	4S6P Power tool replacement 24 cells · 14.4 V 13,500 mAh · 194 Wh 90 A max
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SIMILAR CELLS

Same format and chemistry, within ± 500 mAh.

CELL	MAH	CONTINUOUS	WH	WEIGHT	WH/KG
BAK B18650CA (this cell)	2,250	15 A	8.1	—	—
LG LGABC41865	2,750	5.5 A	10	48.5 g	207
Panasonic NCR18650D	2,700	5.1 A	10	—	—
Sanyo UR18650ZT	2,650	5.3 A	9.8	46 g	213
LG LGDB118650	2,600	—	9.8	—	—
LG LGDBB11865	2,600	—	9.8	—	—

HANDLING & SAFETY

- Never charge above 4.2V or discharge below 2.8V.
- 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/bak-b18650ca
Independent test (Mooch)	https://www.e-cigarette-forum.com/threads/pegasus-vapor-academ...
Full cell database	cellsaviors.com/cell-database