

Illustrative render generated from published specifications

26 × 65 mm
90 g

Golisi 26650 30A 4300mAh



Live page & updates

Golisi · released 2017

26650

IMR

MOOCH-TESTED · 30 A

4,300 mAh CAPACITY	30 A MOOCH CONTINUOUS	3.6 V NOMINAL · 2.75 – 4.2 V	15.48 Wh ENERGY · 172 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 26650S

#7 of 15

Lowest in databaseHighest

A mid-range 26650 cell. Solid for builds that don't need extreme capacity or discharge.

VOLTAGE OPERATING WINDOW

1.45 V usable

Cutoff 2.75 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.

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

Manufacturer	Golisi
Model	26650 30A 4300mAh
Format	26650
Chemistry	IMR
Year released	2017
Wrap colour	 Gold
Insulator	☐ White
Terminal	Flat top
Protection	Unprotected

OPERATING TEMPERATURE

Charging	0°C to 45°C
Discharging	-20°C to 60°C

ENERGY & POWER DENSITY

Energy	15.48 Wh
Specific energy	172 Wh/kg
Volumetric density	448.56 Wh/L
Power density (mass)	1,200 W/kg
Power density (volume)	3,129 W/L
Capacity ranking	#7 of 15 26650s

PHYSICAL

Diameter	26 mm
Length	65 mm
Weight	90 g

ELECTRICAL

Rated capacity	4,300 mAh
Nominal voltage	3.6 V
Max charge voltage	4.2 V
Discharge cutoff	2.75 V
Energy	15.48 Wh
Internal resistance	30 mΩ
Max continuous discharge	30 A (mooch)
Discharge C-rate	7C
Standard charge current	2,000 mA
Typical charge time	2.2 h
Cycle life	800 cycles

C-RATE CONVERSION · 4,300 MAH

C-RATE	CURRENT	THEORETICAL RUNTIME
0.2C	0.86 A	5h 00m
0.5C	2.15 A	2h 00m
1C	4.3 A	1h 00m
2C	8.6 A	30m
3C	12.9 A	20m
5C	21.5 A	12m

Highlighted row is closest to the rated 30 A continuous discharge.

CHARGING

RATE	CURRENT	ESTIMATED TIME TO FULL
Standard	2,000 mA	~2h 09m
0.5C	2,150 mA	~2h 00m
1C	4,300 mA	~1h 00m

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	12.9 Ah	139 Wh
7S	25.2 V	29.4 V	21	12.9 Ah	325 Wh
10S	36 V	42 V	30	12.9 Ah	464 Wh
13S	46.8 V	54.6 V	39	12.9 Ah	604 Wh
14S	50.4 V	58.8 V	42	12.9 Ah	650 Wh

EXAMPLE PACKS

7S2P 24V ebike / small pack 14 cells · 25.2 V 8,600 mAh · 217 Wh 60 A max · ~1.26 kg cells	13S4P 48V ebike standard 52 cells · 46.8 V 17,200 mAh · 805 Wh 120 A max · ~4.68 kg cells	16S4P DIY powerwall 64 cells · 57.6 V 17,200 mAh · 991 Wh 120 A max · ~5.76 kg cells	4S6P Power tool replacement 24 cells · 14.4 V 25,800 mAh · 372 Wh 180 A max · ~2.16 kg cells
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HANDLING & SAFETY

- Never charge above 4.2V or discharge below 2.75V.
- 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 Savors page	cellsaviors.com/cell-database/golisi-26650-30a-4300mah
Independent test (Mooch)	https://www.e-cigarette-forum.com/threads/bench-test-results-g...
Full cell database	cellsaviors.com/cell-database