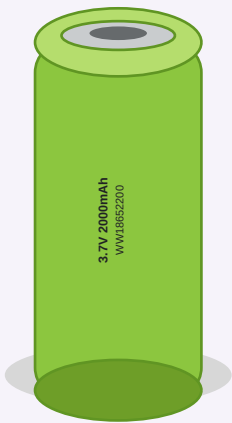


WINWAY 18650 LITHIUM-ION CELL

2000mAh rechargeable • 3.7V nominal • Standard 18650 format



WINWAY 18650 Lithium-Ion Cell

Rechargeable cylindrical cell • 3.7V nominal • 2000mAh

EKASTORE SKU	170002
MANUFACTURER	Shenzhen Winway Energy Co., Ltd
PRODUCT NO.	202247151330
MODEL	18650-2000mAh

Reference based on the manufacturer's product imagery; not a photograph.

3.7 V	2000 mAh	4.2 V	2.75 V	Ø18 × 65 mm	42 g
NOMINAL	CAPACITY	MAX. CHARGE	CUTOFF	DIMENSIONS	MASS

PRODUCT OVERVIEW

Rechargeable 18650 Li-ion cell for compatible portable electronics, lighting, power tools and DIY equipment. Winway identifies this product as a **3.7V 2000mAh 18650P Digital Battery Cell**, Product No. **202247151330**.

PARAMETER	VALUE	SOURCE / NOTE
Cell model	18650-2000mAh	Winway
Nominal voltage	3.7 V	Manufacturer stated
Nominal capacity	2000 mAh	Manufacturer stated
Maximum charge	4.2 V	Manufacturer stated
Discharge cutoff	2.75 V	Manufacturer stated
Discharge	0.5–5C	Manufacturer stated
Charging temperature	10°C to 45°C	Manufacturer stated
Discharging temperature	–10°C to +55°C	Manufacturer stated
Nominal energy	≈7.4 Wh	Calculated: 3.7V × 2.0Ah

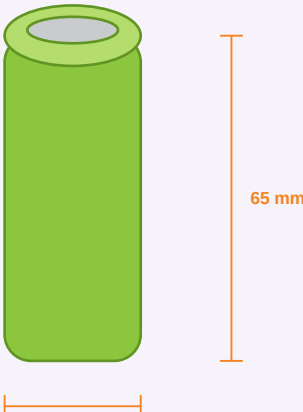
Protection: Winway lists overcharge, overdischarge, discharge overcurrent and discharge short-circuit protection. Exact circuit thresholds/implementation are not published on the supplied page.

Certifications listed by Winway: CE / CQC / UL / CCC / UN38.3 / KC / BIS / PSE.

MECHANICAL & APPLICATION INFORMATION

Compact engineering reference

1. MECHANICAL DRAWING



Mechanical reference

Format: 18650 cylindrical

Diameter: 18 mm (nominal)

Length: 65 mm (nominal)

Mass: 42 g (Ekastore listing)

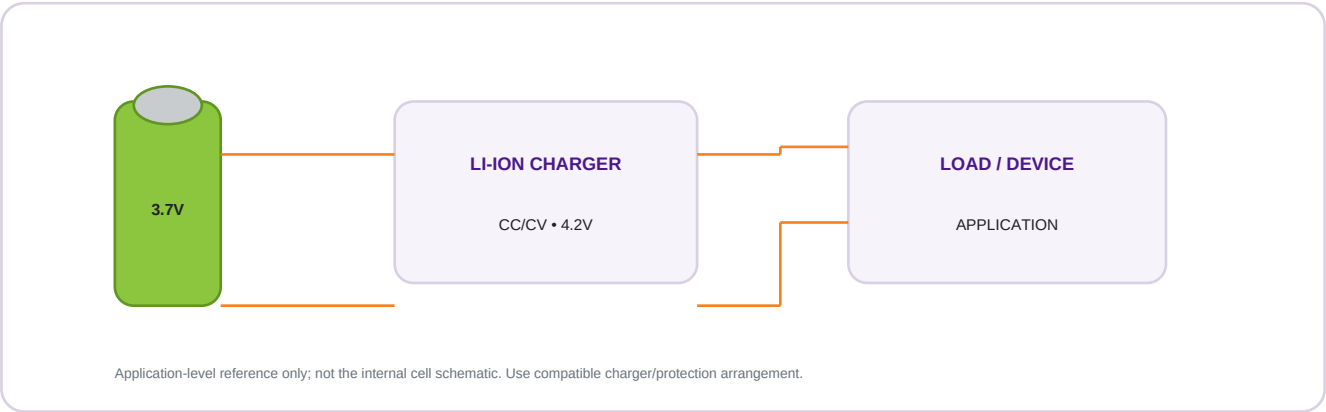
Positive terminal: top

Negative terminal: bottom

Allow holder / manufacturing clearance. Not a manufacturer CAD drawing.

TERMINAL	LOCATION	FUNCTION	DESIGN NOTE
Positive (+)	Top end	Positive electrical terminal	Verify holder polarity
Negative (-)	Bottom end	Negative electrical terminal	Avoid reverse connection

2. APPLICATION-LEVEL CONNECTION



3. APPLICATIONS

APPLICATION	EXAMPLE / SOURCE DESCRIPTION
Digital / portable	Digital products and portable rechargeable equipment
Lighting	Flashlights, torches and portable lamps
Power tools	Electric drills and compatible power-tool systems
DIY / embedded	Single-cell electronics and 18650-based projects
Other listed categories	Beauty care, wearable, vacuum cleaner, balance-car / twisted-car batteries

4. OPERATING & HANDLING

- **Charge:** Use a Li-ion charger with a 4.2V maximum charge limit. No charge-current rating is published; do not infer one from capacity.
- **Discharge:** Winway specifies 0.5–5C. For 2000mAh, 5C mathematically equals 10A; this is not presented here as a guaranteed continuous-current rating.
- **Temperature:** Charge 10°C–45°C; discharge –10°C–+55°C.
- **Handling:** Avoid crushing, puncturing, deformation, uncontrolled heating, reverse polarity and short circuits. Verify the actual protection configuration for the supplied cell.

PRODUCT IDENTIFICATION & TECHNICAL NOTES

Ordering, documentation and limitations

5. ORDERING / PRODUCT IDENTIFICATION

FIELD	INFORMATION
Ekastore product	Winway 18650 Lithium Ion 2000mAh Rechargeable Battery Cell – by Ekastore
Ekastore SKU	170002
Manufacturer	Shenzhen Winway Energy Co., Ltd
Manufacturer product	3.7V 2000MAH 18650P Digital Battery Cell
Manufacturer Product No.	202247151330
Manufacturer-marked model	WW18652200 (shown in manufacturer imagery)
Package	1 × cell (Ekastore listing)

6. TECHNICAL DATA NOTES

- Approx. nominal energy $\approx 7.4\text{Wh}$ is calculated from $3.7\text{V} \times 2.0\text{Ah}$; it is not a separate manufacturer rating.
- $18 \times 65\text{mm}$ dimensions and 42g mass are taken from the Ekastore listing; production tolerances are not specified in the supplied sources.
- No exact charge-current rating, impedance, discharge test condition, cycle-life rating, or internal circuit schematic was established from the supplied product page; these values are intentionally omitted.

7. SOURCE & REVISION

Ekastore: Winway 18650 Lithium Ion 2000mAh Rechargeable Battery Cell – by Ekastore, SKU 170002.

Manufacturer: Shenzhen Winway Energy Co., Ltd — "3.7V 2000MAH 18650P Digital Battery Cell", Product No. 202247151330.

Manufacturer product page: winwaybattery.com/e_products/show/?26-37V-2000MAH-18650P-Digital-Battery-Cell-26.html

8. DATASHEET DISCLAIMER

This document is a compact Ekastore product reference compiled from the supplied product sources. Specifications may change without notice. For regulated applications, transport, certification or safety-critical design, use the current manufacturer documentation and applicable certification/test reports.

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