

Rechargeable lithium-ion battery 38120

Extreme performance in demanding environments



Electrical characteristics

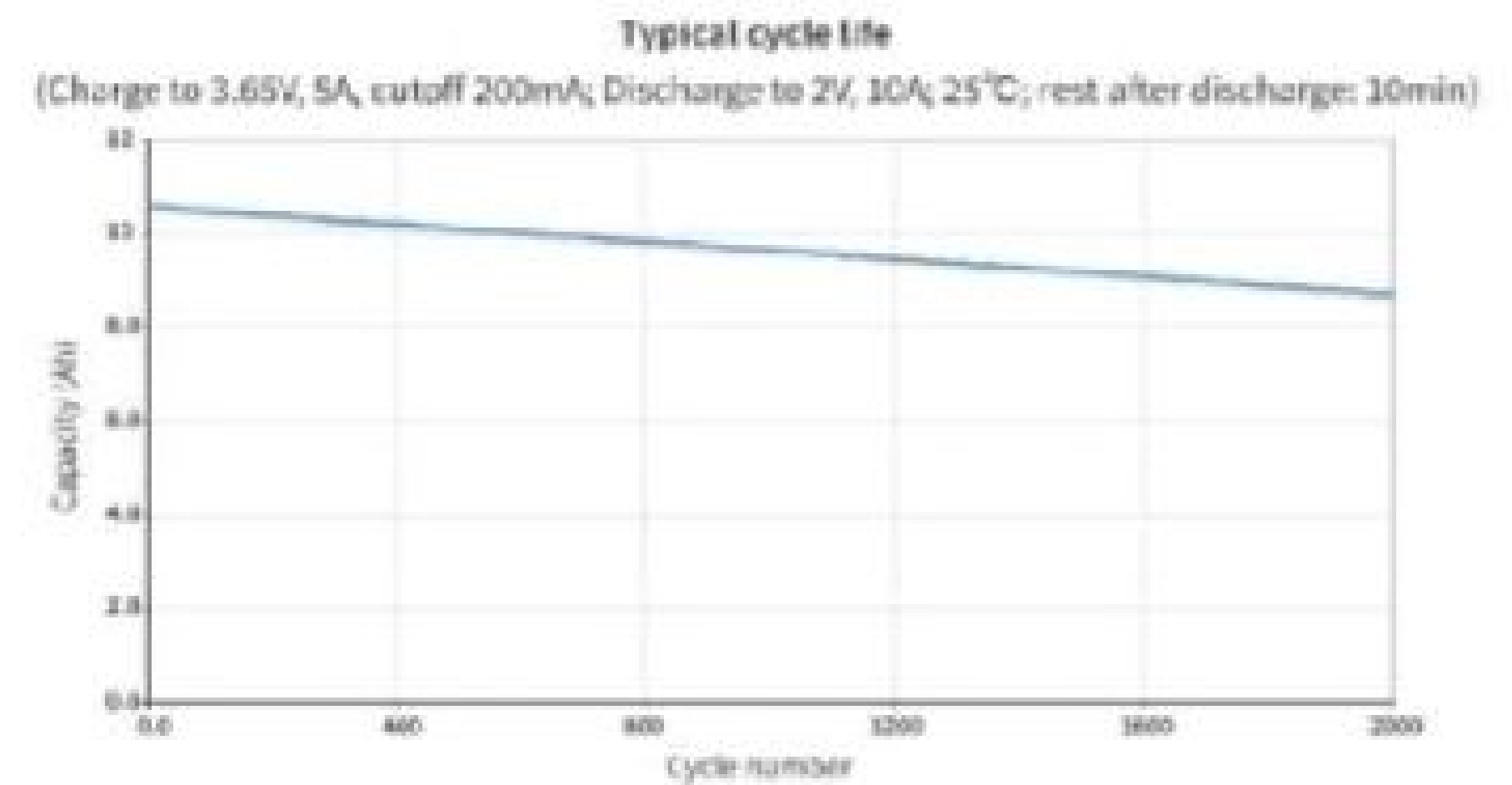
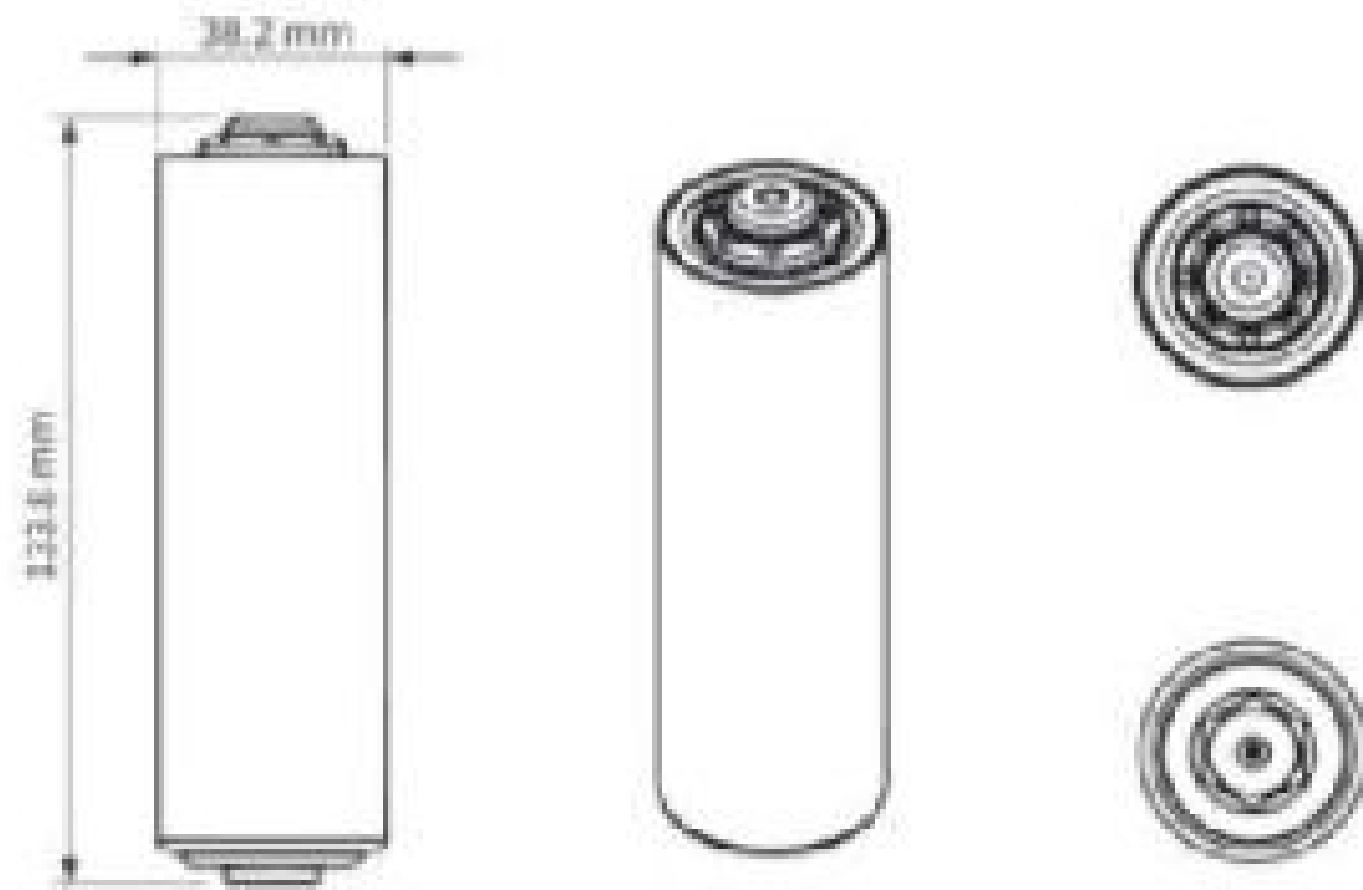
Nominal voltage	3.2 V
Nominal capacity	10000 mAh
Nominal energy	32 Wh
Internal resistance	Under 6 mΩ

Mechanical characteristics

Diameter	38 mm
Height	120 mm
Weight	Maximum 335 grams

Operating conditions

Charge method	Constant current/ Constant voltage
Maximum charge voltage	3.65 V
Maximum charge current	5 A
charge temperature range	0°C to +45°C
Maximum continuous discharge current	30 A
Discharge cut-off voltage	2.5 V
Discharge temperature range	-20°C to +60°C
Standards	ISIRI 6618, IEC 61960, IEC 62133



Battery pack

ESDO provides complete battery system designs.

Individual lithium-ion cells need to be mechanically and electrically integrated into battery systems to operate properly.

The battery system includes electronic devices for performance, thermal and safety management specific to each application.

Please contact ESDO for your specific applications requirements.

Technology

- Graphite-based anode (negative electrode)
- Lithium iron phosphate cathode (positive electrode)
- With PTC and CID

When handling batteries

- Do not disassemble
- Do not remove the protection circuit
- Do not crush, short-circuit, incinerate, immerse in any liquid, heat above $+60^{\circ}\text{C}$ and fire

Transportation and storage

- Store in a dry place at temperature between 10°C to 30°C
- For long-term storage, keep the battery within a 50% state of charge
- Recharge the stored battery at least once every two months
- Shipping should be done according to UN3480, UN3481

