

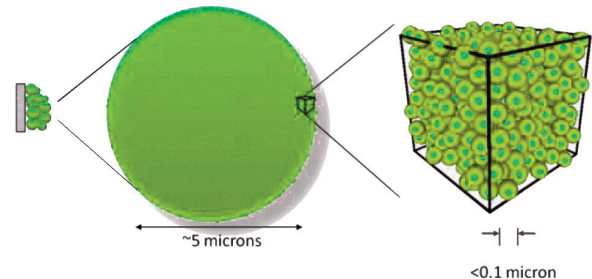
26650 Lithium Ion Power Cell

Nanophosphate® Technology



Lithium Werks' 26650 cells are capable of delivering very high power due to its use of patented Nanophosphate® battery technology. Based on lithium iron phosphate chemistry (LiFePO_4), the cells are inherently safe over a wide range of temperatures and conditions. Whether the application requires outstanding cycle life or stable float reliability, the Lithium Werks' 26650 cells are suitable for a wide variety of power, pulse, or stand-by applications.

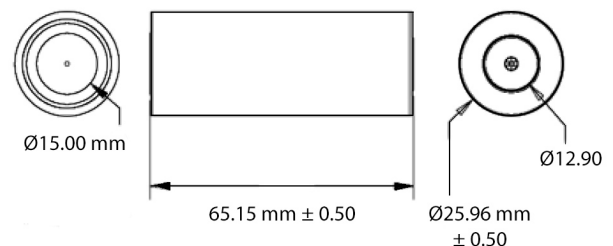
Nanophosphate® battery technology offers stable chemistry, faster charging, consistent output, excellent cycle life and superior cost performance. It provides the foundation for safe systems while meeting the most demanding customer requirements. Multiple layers of protection are employed at the chemistry, cell and system level to achieve an energy storage solution with superior safety and abuse tolerance compared to metal oxide lithium-ion chemistries.



Applications

- Energy storage
- Uninterruptible Power Supplies
- Communication technologies
- Aerospace
- Electrified mobility devices
- Industrial equipment
- Medical devices
- Toys

Dimensions



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Specs for ANR26650M1B

Nominal Ratings

Voltage	3.3 V
Capacity @ 25 °C Typ (Min)	2.6 Ah (2.5)
Energy @ 25 °C	8.25 Wh
Specific Power @ 25 °C, 2 sec pulse	> 4000 W/kg
Impedance (1KHz AC) Typ	6 mΩ
Cycle Life at 1C/1C, 100% DOD	> 4000 cycles

Discharging

Max Continuous Discharge Current	50 A
Max Pulse Discharge Current (10s)	120 A
Minimum Voltage / HPPC Pulse	2 V / 1.6 V
Temperature	-30 °C to 55 °C

Charging

Recommended Charge Current	3 A
Max Continuous Charge Current	10 A
Max Pulse Charge Current (10s)	20 A
Float Voltage	3.45 V
Recommended charge V & Cut-off Current	3.6 V, taper to 125mA
Temperature Range (reduce charging current to 250mA when under 0 °C)	0 °C to 55 °C

Storage

Storage Temperature	-40 °C to 60 °C
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Mechanical

Diameter	Ø25.96 +/- 0.5 mm
Length	65.15 +/- 0.5 mm
Mass	76 g +/- 1.0 g

Certifications

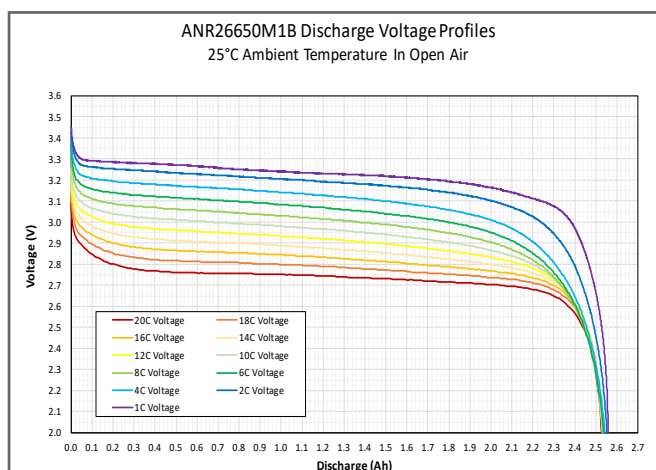
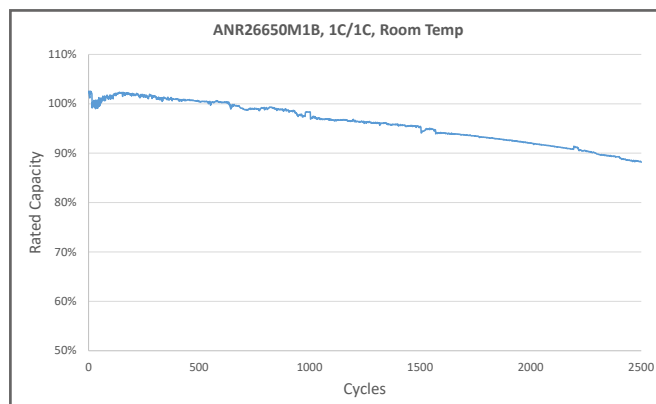
Transportation	UN 3480 (UN38.3), CIQ
Safety	UL 1642, IEC 62133-2

Transportation

Shipping	Via Air @ 30% SOC Via Sea @ 50% SOC
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Part Number 300732-006

Cell Data



Abuse

Nail penetration	Pass - EUCAR4
Over-Discharge	Pass - EUCAR3
Thermal Stability	Pass - EUCAR4
External Short	Pass - EUCAR3
Crush	Pass - EUCAR3
Overcharge	Pass - EUCAR2
Vent Open Pressure	1.0 - 2.0 MPa

26650 Data Sheet
Sept 2019

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Performance may vary depending on, but not limited to cell usage and application. If cell is used outside specifications, performance will diminish. All specifications are subject to change without notice. All information provided herein is believed, but not guaranteed, to be current and accurate.