

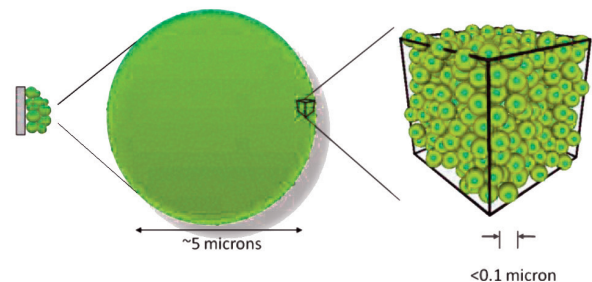
26650 Lithium Ion Power Cell

NanoPhosphate® Technology



Lithium Werks' high performance NanoPhosphate® lithium ion battery technology (LiFePO_4) delivers high power in a small size. Combine these advantages with excellent safety and outstanding life and this lightweight solution exceeds most requirements. Lithium Werks' 26650 cells have high usable energy over a wide state of charge (SOC) and low capacity loss allowing them to meet end-of-life energy requirements. With concepts for virtually any lithium-ion application, Lithium Werks' high performance cells provide customizable solutions for multiple market needs.

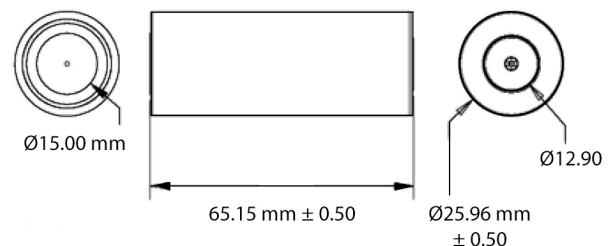
NanoPhosphate® battery technology offers stable chemistry, faster charging, consistent output, excellent cycle life and superior cost performance. It provides the foundation for safe systems while meeting the most demanding customer requirements. Multiple layers of protection are employed at the chemistry,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



Applications

- Communications technologies
- Aerospace
- Electrified mobility devices
- Industrial equipment
- Medical devices

Dimensions



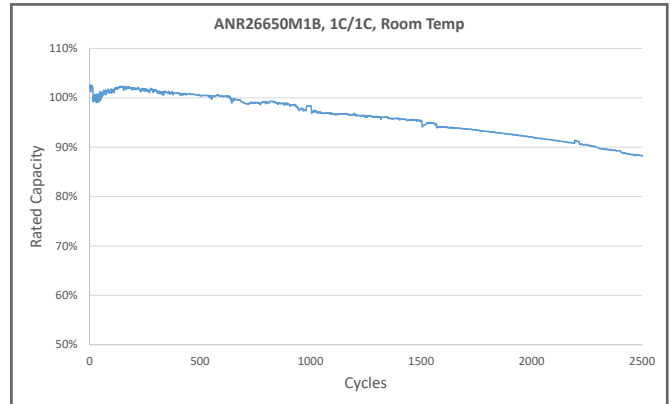
26650 Lithium Ion Power Cell

NanoPhosphate® Technology

Specs for ANR26650m1B

Nominal Ratings	
Voltage	3.3 V
Capacity	2.5 Ah
Energy	8.25 Wh
Specific Power	2600 W/kg
Impedance (1KHz AC Typical)	6 mΩ
Cycle Life at 1C/1C, 100% DOD	> 4000 cycles
Discharging	
Max Continuous Discharge	50 A
Max Pulse Discharge Current >50% SOC (10s)	120 A
Minimum Voltage	2 V
Temperature	-30°C to 55°C
Charging	
Recommended Standard Charge	2.5 A
Max Charge Rate	10 A
Max Pulse Charge Current <50% SOC (10s)	25 A
Float Voltage	3.45 V
Recommended charge V & Cut-off Current	3.6 V, taper to 125mA
Temperature (reduce charging current to 250mA when under 0°C)	0°C to 55°C
Mechanical	
Diameter	Ø25.96 +/- 0.5 mm
Length	65.15 +/- 0.5 mm
Mass	76 g
Certifications	
Transportation	UN 3480 (UN38.3), CIQ
Safety	UL 1642, IEC 62133
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

26650 Data Sheet
Aug 2018

LithiumWerks™

www.lithiumwerks.com/contact

North America Sales
1807 W. Braker Ln.
Suite 500
Austin, Texas 78758 USA

Tel +1 (512) 527-2900
Fax +1 (512) 527-2910

Europe / Middle East / Africa Sales
Unit 63 Mallusk Enterprise Park
Mallusk Co. Antrim
Northern Ireland BT36 4GN

Tel +44(0) 28 9084 5400
Fax +44(0) 28 9083 8912

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.
Copyright © 2018 Lithium Werks Inc.