

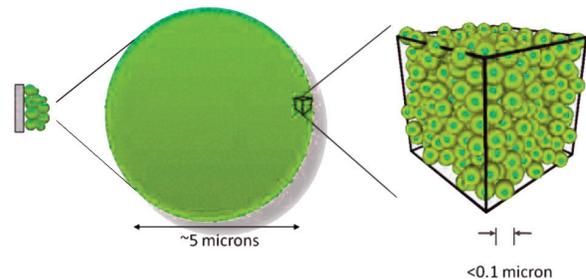
## 26650 Lithium Ion Power Cell

Nanophosphate® Technology



Lithium Werks' 26650 cells are best for Power.Safety.Life.™ applications. They deliver very high power due to their use of patented Nanophosphate® battery technology. Based on lithium iron phosphate chemistry ( $\text{LiFePO}_4$ ), 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.

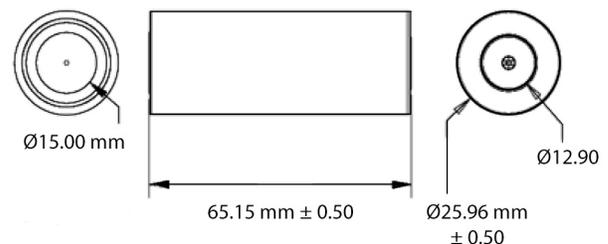
Nanophosphate® battery technology offers thermal-stable chemistry, faster charging, consistent output, low capacity loss over time, and superior total cost of ownership (TCO). It provides the foundation for safe systems while meeting the most demanding customer requirements. Multiple layers of protection 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
- Frequency regulation
- Uninterruptible Power Supplies
- Communication technologies
- Aviation/Aerospace
- Electrified mobility devices
- Industrial equipment
- Medical devices
- Consumer Products

### Dimensions



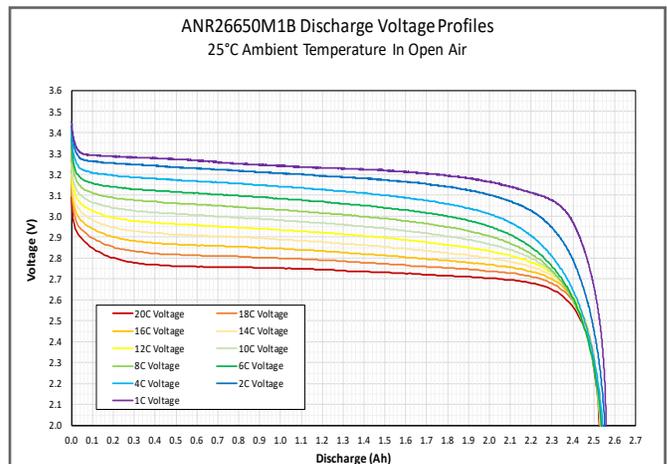
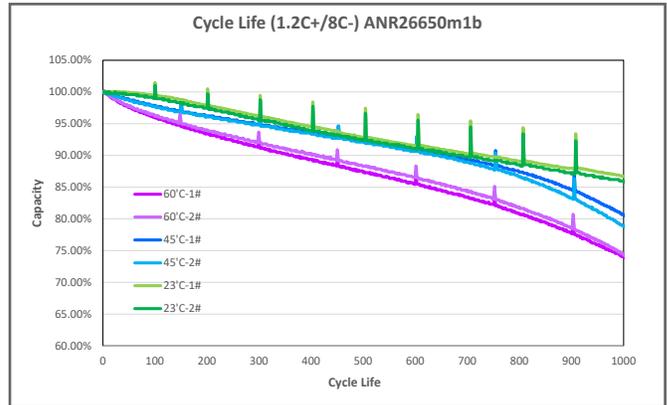
# 26650 Lithium Ion Power Cell

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## Specs for ANR26650M1B

Nominal Ratings	
Voltage	3.3 V
Capacity @ 25 °C	2.56 Ah +/- 0.1 Ah
Energy @ 25 °C	8.25 Wh
Specific Power @ 25 °C, 2 sec pulse	> 4000 W/kg
Impedance (1KHz AC) Typical	6 mΩ
Cycle Life at 1C/1C, 100% DOD	> 4000 cycles
Discharging	
Max Continuous Discharge Current	50 A (20C rate)
Max Pulse Discharge Current (10s)	120 A (48C rate)
Minimum Voltage / HPPC Pulse	2 V / 1.6 V
Temperature	-30 °C to 60 °C
Charging	
Recommended Charge Current	3 A (1.2C rate)
Max Continuous Charge Current	10 A (4C rate)
Max Pulse Charge Current (10s)	20 A (8C rate)
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)	-20 °C to 60 °C
Storage	
Storage Temperature	-40 °C to 70 °C
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
Environmental	REACH, RoHS, ISO-14001
Quality System	TS/IATF-16949, ISO-9001
Transportation	
Shipping	Via Air @ 30% SOC Via Sea @ 50% SOC
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  
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