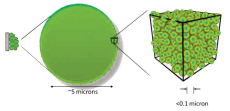
**26650 Lithium Ion Power Cell**

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 (LiFePO4), 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

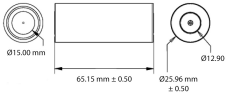
• Energy storage

• Uninterruptible Power Supplies • Communication technologies • Aerospace

• Electrified mobility devices • Industrial equipment

• Medical devices

• Toys

Dimensions 

Specs for ANR26650M1B

**26650 Lithium Ion Power Cell** Nanophosphate® Technology

Cell Data

| Nominal Ratings |
| --- |
| Voltage 3.3 V |
| Capacity @ 23 ºC Typ (Min) 2.6 Ah (2.5) |
| Energy @ 23 ºC 8.25 Wh |
| Specific Power 2600 W/kg |
| Impedance (1KHz AC) Typ 6 mΩ |
| Cycle Life at 1C/1C,  > 4000 cycles  100% DOD |
| 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 ºC to 55 ºC |
| 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  0 ºC to 55 ºC  (reduce charging current to 250mA  when under 0 ºC) |
| Storage |
| Storage Temperature -40 ºC to 60 ºC |
| 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 |
| Part Number 300732-006 |

110%

100%

90%

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80%

a

C

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t

70%

a

R

60%

50%

**ANR26650M1B, 1C/1C, Room Temp**

0 500 1000 1500 2000 2500 Cycles

ANR26650m1B Discharge Voltage Profiles at 23 °C Ambient

)

V

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V

3.4

3.2

C/8 Voltage (V)

3

2C Voltage (V)

2.8

4C Voltage (V)

2.6

7C Voltage (V)

2.4

10C Voltage (V)

2.2

2

0 0.5 1 1.5 2 2.5 3 3.5 Discharge (Ah)

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

Jan 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.