



OPTIMA Blue 34MDC

Specifications

OPTIMA® BLUETOP® D34M Ultra high-performance SPIRALCELL TECHNOLOGY® AGM (absorbent glass mat) dual-purpose battery for marine and RV. BLUETOP® has three times the cycling capability (rechargeability) with ultimate cranking power for your boat or RV in a maintenance-free package. Perfect for multiple high-demand accessories and trolling motors with 15 times the vibration resistance and lighter weight. Lower internal resistance provides more efficient power output and faster recharges.

If you are looking for a deep-cycle group 24 or 34 battery for boat or RV, this is the one for you.

The OPTIMA® model number for this battery is D34M. If you are replacing an OPTIMA® battery you already have, this model is the same as batteries marked 8016-103, 9016-103, 27934, D34M-950, BLUED34, 12854, SC34DM, or N99D34MBLUE.

Please Download the Marine Application Guide above for further information on specific marine application.

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|-----------------------|-------------------------|
| Battery Model: | D34M |
| Part Number: | 8016-103 |
| NSN: | 6140 01 475 9355 |
| UPC Code: | 8 11405 00103 1 |

| Performance Data | |
|--|--|
| Cold Cranking Amps: | 750 |
| Cranking Amps: | 870 |
| Nominal Voltage: | 12 volts |
| Open Circuit Voltage (fully charged): | 13.1 volts |
| Internal Resistance (fully charged): | 0.0028 ohms |
| Capacity: | 55 Ah (C/20) |
| Reserve Capacity: | BCI: 120 minutes (25 amp discharge, 80°F (26.7°C), to 10.5 volts cut-off) |

Physical Characteristics

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| Plate Design: | High purity lead-tin alloy. Wound cell configuration utilizing proprietary SPIRALCELL TECHNOLOGY®. |
| Electrolyte: | Sulfuric acid, H ₂ SO ₄ |
| Case: | Polypropylene |
| Case Color: | Light Gray |
| Cover Color: | “OPTIMA“ Blue |
| Group Size: | BCI: 34 |
| Post Type: | Dual SAE & 5/16 Stainless Stud |
| Weight: | 43.5 lb |
| Length: | 10.06 in |
| Width: | 6.88 in |
| Height: | 7.94 in |

Power

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|------------------------|-----------------|
| CCA (BCI 0°F): | 750 amps |
| MCA (BCI 32°F): | 870 amps |

Recommended Charging

The following charging methods are recommended to ensure a long battery life: (Always use a voltage regulated charger with voltage limits set as described below.)

Model: D34M

These batteries are designed for starting and deep cycle applications and for use in vehicles with large accessory loads.

Recommended Charging Information

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| Alternator: | 13.65 to 15.0 volts |
| Battery Charger: | 13.8 to 15.0 volts; 10 amps maximum; 6-12 hours approximate |
| Float Charge: | 13.2 to 13.8 volts; 1 amp maximum; (indefinite time at lower voltages) |
| Rapid Recharge (Constant voltage charger): | Maximum voltage 15.6 volts. No current limit as long as battery temperature remains below 125°F (51.7°C). Charge until current drops below 1 amp |
| Cyclic or Series String Applications::: | 14.7 volts. No current limit as long as battery temperature remains below 125°F (51.7°C). When current falls below 1 amp, finish with 2 amp constant current for 1 hour. All limits must be strictly adhered to. |