



Battery Model: D31M

Part Number: 8052-161

Nominal Voltage: 12 volts

NSN: 6140 01 502 4405

Description: High power, dual purpose engine start and deep cycle, sealed lead acid battery

Physical Characteristics:

Plate Design: High purity lead-tin alloy. Wound cell configuration utilizing proprietary SPIRALCELL® technology.

Electrolyte: Sulfuric acid, H₂SO₄

Case: Polypropylene

Color: Case: Light Gray
Cover: "OPTIMA" Blue

Group Size: BCI: 31

	Standard	Metric
Length:	12.774"	324.46 mm
Width:	6.529"	165.84 mm
Height:	9.370"	238.00 mm (Height at the top of terminals)
Weight:	59.8 lb	27.1 kg

Terminal Configuration: SAE / BCI automotive and 5/16"-18UNC-2A threaded stainless steel stud.

Performance Data:

Open Circuit Voltage (Fully charged): 13.1 volts

Internal Resistance (Fully charged): .0025 ohms

Capacity: 75 Ah (C/20)

Reserve Capacity: BCI: 155 minutes
(25 amp discharge, 80°F (26.7°C), to 10.5 volts cut-off)

Power:

CCA (BCI 0°F): 900 amps

MCA (BCI 32°F): 1125 amps

Recommended Charging:

Please contact us for charging & maintenance procedures, alternator settings, charger recommendations, etc. For general shop re-charging use a constant voltage charger that has the maximum charge voltage set at 14.4 to 14.7 volts.

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



Spiralcell Technology®

for superior vibration resistance and extended life

Solid Cast Cell Connections

for increased durability and maximum plate height

99.99% Pure Lead

Spiralcell design allows for lead to be used in its purest form

Tightly Compressed Cells

for added vibration resistance

Absorbent Glass-Mat Separators

hold electrolyte like a sponge to eliminate acid spilling



Manufacturer Representatives for US Military applications:
970-586-0660 www.milbatteries.com