



OP34/78

12V 800CCA RED TOP AGM BATTERY

Battery Model: 34/78

Part Number: 8004-250

Nominal Voltage: 12 volts

NSN: 6140 01 457 4339

Description: High power, sealed lead acid, engine starting battery

Features:

- Strongest starting burst
- Up to 3X longer life
- 15 times more vibration-resistant
- Virtually spill proof
- Mountable in virtually any position
- Maintenance-free
- Faster recharging
- Optimal starting power
- Spiralcell Technology® for superior vibration resistance and extended life
- Solid Cast Cell Connections for increased durability and maximum plate height
- Absorbent Glass-Mat Separators hold electrolyte like a sponge to eliminate acid spilling
- Tightly Compressed Cells for added vibration resistance
- 99.99% Pure Lead Spiralcell design allows for lead to be used in its purest form

Physical Characteristics:

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

Electrolyte: Sulfuric acid, H₂SO₄

Case: Polypropylene

Color: Case: Dark Gray
Cover: "OPTIMA" Red

Group Size: BCI: 34/78

	Standard	Metric
Length:	10.018"	254.46 mm
Width:	6.886"	174.90 mm
Height:	7.841"	199.16 mm (Height at the top of terminals)
Weight:	38.8 lb	17.6 kg

Terminal Configuration: SAE / BCI automotive and GM style side terminal (3/8"-16UNC-2B threaded nut).

Performance Data:

Open Circuit Voltage (Fully charged): 12.8 volts
Internal Resistance (Fully charged): .0030 ohms
Capacity: 50 Ah (C/20)
Reserve Capacity: BCI: 100 minutes
(25 amp discharge, 80°F (26.7°C), to 10.5 volts cut-off)

Power:

CCA (BCI 0°F): 800 amps
MCA (BCI 32°F): 1000 amps



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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.)

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These batteries are designed for engine starting applications. They are not recommended or warranted for use in deep cycle applications.

Recommended Charging Information:

Alternator:	13.3 to 15.0 volts
Battery Charger (Constant Voltage):	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:	Maximum voltage 15.6 volts. No current limit as long as battery
(Constant voltage charger)	temperature remains below 125°F (51.7°C). Charge until current drops below 1 amp.
All limits must be strictly adhered to.	

Always wear safety glasses when working with batteries.

Always use a voltage regulated battery charger with limits set to the above ratings. Overcharging can cause the safety valves to open and battery gases to escape, causing premature end of life. These gases are flammable! You cannot replace water in sealed batteries that have been overcharged. Any battery that becomes very hot while charging should be disconnected immediately.

Not fully charging a battery can result in poor performance and a reduction in capacity.

