



OPTIMA Red 25/75

Specifications

OPTIMA® REDTOP® 75/25 Ultra high-performance SPIRALCELL TECHNOLOGY® AGM (absorbent glass mat) battery with reliable cranking power for your auto, car or truck and twice the life. The OPTIMA® REDTOP® will outperform and outlast traditional batteries in demanding cranking/starting applications. The ultimate high-CCA starting battery for vehicles that have alternators capable of keeping up with all electrical loads.

If you have demanding electrical accessory loads such as winches, audio systems, and other devices, take a look at the YELLOWTOP® product line.

The OPTIMA® model number for this battery is 75/25. If you are replacing an OPTIMA® battery you already have, this model is the same as batteries marked 8022-091, 9022-091, 27980, 75-25, 75/35-925, RED75/35, 12853, SC75U, RED35/75, or N9975/25RED.

Includes applicable installation and/or height adapters for this battery.

Battery Model:	75/25
Part Number:	8022-091
NSN:	6140 01 475 9361
UPC Code:	8 11405 00091 1

Performance Data	
Cold Cranking Amps:	720
Cranking Amps:	910
Nominal Voltage:	12 volts
Open Circuit Voltage (fully charged):	12.8 volts
Internal Resistance (fully charged):	0.0030 ohms
Capacity:	44
Reserve Capacity:	BCI: 100 minutes (25 amp discharge, 80°F (26.7°C), to 10.5 volts cut-off)

Physical Characteristics

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:	Dark Gray
Cover Color:	“OPTIMA“ Red
Group Size:	BCI: 75/25
Post Type:	Dual SAE/GM
Weight:	33.1 lb
Length:	9.38 in
Width:	6.81 in
Height:	7.75 in

Power

CCA (BCI 0°F):	44 Ah (C/20)
MCA (BCI 32°F):	BCI: 90 minutes (25 amp discharge, 80°F (26.7°C), to 10.5 volts cut-off)

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: 75/25

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; no amperage limit	
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 current (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.	
Recharge Time:	(example assuming 100% discharge – 10.5 volts)	
	Current	Approx. time to 90% charge
	100 amps	35 minutes
	50 amps	75 minutes
	25 amps	140 minutes
<p>Recharge time will vary according to temperature and charger characteristics. When using Constant Voltage chargers, amperage will taper down as the battery becomes recharged. When amperage drops below 1 amp, the battery will be close to a full state charge.</p> <p>(All charge recommendations assume an average room temperature of 77°F, 25°C)</p> <p>Always wear safety glasses when working with batteries.</p> <p>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.</p>		
<p>Not fully charging a battery can result in poor performance and a reduction in capacity.</p>		