



## **OPTIMA Red 25**

### **Specifications**

**OPTIMA® REDTOP® 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 25. If you are replacing an OPTIMA® battery you already have, this model is the same as batteries marked 8025-160, 9025-160, 27925, RED25, SC25A, or N9925RED.**

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

<b>Battery Model:</b>	<b>25</b>
<b>Part Number:</b>	<b>8025-160</b>
<b>NSN:</b>	<b>Number applied for, product currently available</b>
<b>UPC Code:</b>	<b>8 11405 00160 4</b>

<b>Performance Data</b>	
<b>Cold Cranking Amps:</b>	<b>720</b>
<b>Cranking Amps:</b>	<b>910</b>
<b>Nominal Voltage:</b>	<b>12 volts</b>
<b>Open Circuit Voltage (fully charged):</b>	<b>12.8 volts</b>
<b>Internal Resistance (fully charged):</b>	<b>0.0030 ohms</b>
<b>Capacity:</b>	<b>44 Ah (C/20)</b>
<b>Reserve Capacity:</b>	<b>BCI: 100 minutes (25 amp discharge, 80°F (26.7°C), to 10.5 volts cut-off)</b>

## Physical Characteristics

<b>Plate Design:</b>	High purity lead-tin alloy. Wound cell configuration utilizing proprietary SPIRALCELL TECHNOLOGY®.
<b>Electrolyte:</b>	Sulfuric acid, H <sub>2</sub> SO <sub>4</sub>
<b>Case:</b>	Polypropylene
<b>Case Color:</b>	Dark Gray
<b>Cover Color:</b>	“OPTIMA“ Red
<b>Group Size:</b>	BCI: 25
<b>Post Type:</b>	SAE Post
<b>Weight:</b>	31.7 lb
<b>Length:</b>	9.38
<b>Width:</b>	6.75
<b>Height:</b>	7.69

## Power

<b>CCA (BCI 0°F):</b>	<b>720 amps</b>
<b>MCA (BCI 32°F):</b>	<b>910 amps</b>

## 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: 25 and 35

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. All limits must be strictly adhered to.