

# OPTIMA® RedTop S 2,1



**Battery Model:** RT S 2,1  
**Part Number:** 8010-044  
**Nominal Voltage:** 6 volts  
**NSN:** 6140 01 475 9414  
**Description:** High power, sealed lead acid, engine starting battery

## Physical Characteristics:

**Plate Design:** High purity lead-tin alloy. Wound cell configuration utilizing proprietary *SPIRALCELL*® technology.  
**Electrolyte:** Sulfuric acid, H<sub>2</sub>SO<sub>4</sub>  
**Case:** Polypropylene  
**Color:** Case: Dark Gray  
Cover: "OPTIMA" Red

	Standard	Metric
<b>Length:</b>	10"	254 mm
<b>Width:</b>	3.563"	90.5 mm
<b>Height:</b>	7.813"	198.4 mm (height at the top of the terminals)
<b>Weight:</b>	18.4 lb.	8.4 kg

Terminal Configuration: SAE / BCI automotive.

## Performance Data:

**Open Circuit Voltage (fully charged):** 6.4 volts  
**Internal Resistance (fully charged):** 0.0019 ohms  
**Capacity:** 50 Ah (C/20)  
**Reserve Capacity:** BCI: 100 minutes

## Power:

**CCA (EN -18°C):** 800 amps  
**MCA (BCI 0°C):** 1000 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.)

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

