



**Battery Model:** 6V (formerly 850/6)  
**Part Number:** 8010-044  
**NSN:** 6140-01-475-9414

**Nominal Voltage:** 6 volts  
**Description:** High power, sealed (VRLA), lead acid engine starting battery.

### Physical Characteristics:

**Plate Design:** High purity lead-tin alloy. Wound cell configuration utilizing propriety *SPIRAL CELL TECHNOLOGY*.<sup>®</sup>  
**Electrolyte:** Sulfuric acid, H<sub>2</sub>SO<sub>4</sub>. Specific gravity: 1.286  
**Case:** Polypropylene  
**Color:** Case: Dark Gray      Cover: "OPTIMA" Red

	Standard	Metric
<b>Length:</b>	10"	254 mm
<b>Width:</b>	3.6"	91.4 mm
<b>Height:</b>	8.1"	205.7 mm height at the top of the terminals
<b>Minimum Weight:</b>	18.5lb.	8.4 kg
<b>Terminals:</b>	Automotive posts	
<b>BCI Group Size</b>	Not applicable	

### Performance Data:

**Open Circuit Voltage (fully charged):** 6.4 volts  
**Internal Resistance (fully charged):** .0019 ohms  
**Capacity:** 50 Ah (C/20)  
**Reserve Capacity:** BCI: 100 minutes  
 (25 amp discharge, 80°F (26.7°C), to 5.25 volts cut off)

**MILITARY CUSTOMERS & OEMs:**  
 Please contact us for assistance regarding alternator charger settings, shop charging, CAD Drawings, etc.

### Power:

**CCA (BCI 0°F):** 800 amps  
**MCA (BCI 32°F):** 1,000 amps

### Cycle Life:

**Cycle Life – Deep Cycle (BCI)** ~50 cycles  
**J240 Life Cycles (BCI):** 10,000 – 12,000 cycles

