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## OPTIMA Yellow 27F

### Specifications

**OPTIMA® YELLOWTOP® D27F Ultra high-performance SPIRALCELL TECHNOLOGY® AGM (absorbent glass mat) dual-purpose (deep-cycle and starting) battery. OPTIMA® YELLOWTOP® batteries have three times the cycling capability (rechargeability) with ultimate cranking power for your car or truck to outperform traditional batteries. Perfect for powering heavy electrical loads, including winches, audio systems, inverters, and other demanding vehicle accessories and electronics. Lower internal resistance provides more efficient power output and faster recharges.**

<b>Battery Model:</b>	<b>D27F</b>
<b>Part Number:</b>	<b>8037-127</b>

## Performance Data

<b>Cold Cranking Amps:</b>	<b>830</b>
<b>Cranking Amps:</b>	<b>1025</b>
<b>Nominal Voltage:</b>	<b>12 volts</b>
<b>Open Circuit Voltage (fully charged):</b>	<b>13.1 volts</b>
<b>Internal Resistance (fully charged):</b>	<b>0.0025 ohms</b>
<b>Capacity:</b>	<b>66 Ah (C/20)</b>
<b>Reserve Capacity:</b>	<b>BCI: 140 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>	Light Gray
<b>Cover Color:</b>	“OPTIMA“ Yellow
<b>Group Size:</b>	BCI: 27
<b>Post Type:</b>	SAE Post
<b>Weight:</b>	53.2 lb
<b>Length:</b>	12.16 in
<b>Width:</b>	6.762 in
<b>Height:</b>	8.61 in

## Power

<b>CCA (BCI 0°F):</b>	830 amps
<b>MCA (BCI 32°F):</b>	1025 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.)

**Model: D27F**

These batteries are designed for starting and deep cycle applications and for use in vehicles with large accessory loads..

## Recommended Charging Information

<b>Alternator:</b>	13.65 to 15.0 volts
<b>Battery Charger:</b>	13.8 to 15.0 volts; 10 amps maximum; 6-12 hours approximate
<b>Float Charge:</b>	13.2 to 13.8 volts; 1 amp maximum; (indefinite time at lower voltages)
<b>Rapid Recharge (Constant voltage charger):</b>	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
<b>Cyclic or Series String Applications::</b>	14.7 volts. No current limit as long as battery temperature remains below 125°F (51.7°C). When current falls below 1 amp, finish with 2 amp constant current for 1 hour. All limits must be strictly adhered to.