

STARTING AN ENGINE IS EASY.  
HOW MANY BATTERIES CAN START A REVOLUTION?

PRODUCT INFO

AUTOMOTIVE

Starter



Warranty Info

Product Spec Sheets

Deep Cycle

MARINE

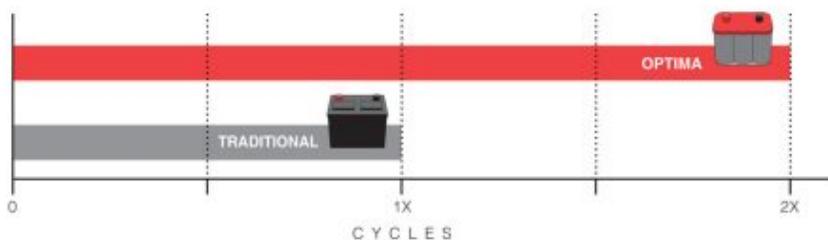
COMMERCIAL

TECHNOLOGY

## Technical Specs

### UP TO 2 TIMES LONGER LIFE

(when compared to traditional batteries)



Damage from heat is the leading cause of battery failure. Even in high heat environments, OPTIMA batteries can outlast traditional batteries by up to 2 times.

STARTING BATTERIES					
MODEL NUMBER	34 & 34R	75/25	34/78	25 & 35	6V
<b>PERFORMANCE</b>					
Voltage	12v	12V	12v	12v	6v
Cold Cranking Amps @ 0F	800	720	800	720	800
Cranking Amps @ 32F	1000	910	1000	910	1000
Reserve Capacity	110	90	110	90	110
Capacity (C/20 Rate)	50	44	50	44	50
Internal Resistance (ohms)	.0030	.0030	.0030	.0030	.0019
<b>PHYSICAL SPECS</b>					
Length	10"	9 5/16"	10"	9 5/16"	10"
Width	6 7/8"	6 13/16"	6 7/8"	6 13/16"	3 9/16"
Height	7 13/16"	7 5/8"	7 13/16"	7 5/8"	7 13/16"
Minimum Weight (lbs)	37.9	33.1	38.8	31.7	18.4
Type Post/Terminal	SAE Post	Dual SAE & GM	Dual SAE & GM	SAE Post	SAE Post
BCI Group	34 & 34R	75/35	34/78	25 & 35	N/A

## Charging Info

The following charging methods are recommended to insure a long battery life: (Always use a voltage regulated charger, with voltage limits set as described below.)

### 34 & 34R - 34/78 - 6V - 25 & 35 - 75/25

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

### Safety Information:

Always wear safety glasses when working with batteries.

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.

**Rapid Recharge:**

Maximum voltage 15.6 volts (regulated).  
Maximum current: No limit as long as temperature < 125°F (51.7°C).  
Maximum recharge time: Charge until current drops below 1 amp.

**Float charge:**

13.2 to 13.8 volts, 1 amp maximum current, time indefinite (at lower voltage).

To charge the OPTIMA® 6V-1050, six volt battery, divide the charge voltage setting in half.

**All limits must be strictly adhered to.**

batteries.

Always use a voltage regulated battery charger with limits set to the above ratings. Overcharging can cause the safety valves to open and battery gasses to escape, resulting in premature failure. These gasses are flammable! You cannot replace water in sealed batteries that have been overcharged. Any battery that becomes very hot or makes a hissing sound while recharging should be disconnected immediately.

Failure to fully charge a battery can result in poor performance and a reduction in capacity.



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