

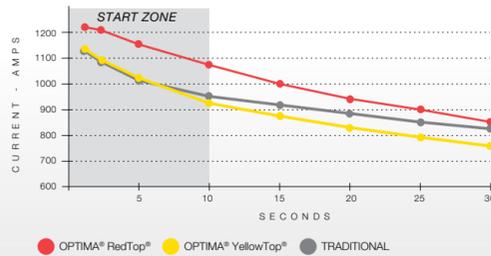
# SPIRALCELL TECHNOLOGY®



- 1 Corrosion resistant terminals
- 2 Solid moulded cell connections for increased durability
- 3 Self sealing safety valves
- 4 Rugged SPIRALCELL construction provides maximum vibration resistance and extends product life
- 5 Impact resistant polypropylene case
- 6 High purity lead grids for long life
- 7 Absorbed glass mat separator holds electrolyte like a sponge to eliminate acid spilling

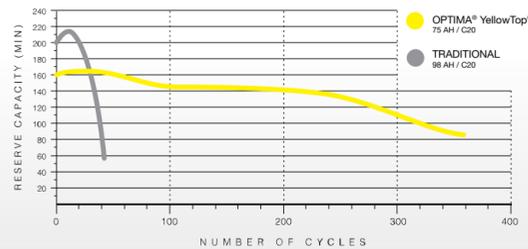
## MORE STARTING POWER

OPTIMA® batteries deliver a higher level of power to the starter in the critical first 10 seconds of the vehicle starting cycle.



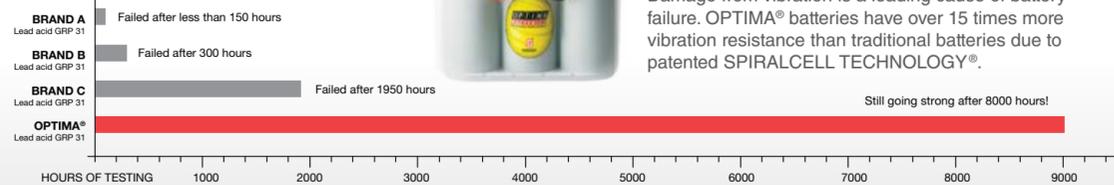
## REPETITIVE RESERVE CAPACITY

OPTIMA® batteries have the ability to withstand significantly more discharge/recharge cycles and still accept a high percentage of the original full capacity.



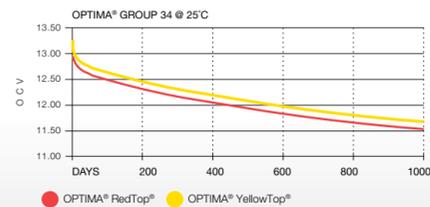
## SHAKE IT UP!

Damage from vibration is a leading cause of battery failure. OPTIMA® batteries have over 15 times more vibration resistance than traditional batteries due to patented SPIRALCELL TECHNOLOGY®.



## LONG SHELF LIFE

OPTIMA® batteries are ideal for vehicles that are used seasonally because of their low self-discharge rate. All batteries that sit unused for extended periods of time will begin to lose charge. OPTIMA® batteries retain a significantly greater amount of power, enough to start large vehicles like tractors, harvesters and recreational vehicles even after a long period of no use.



# CHARGING INFORMATION

## 6V BATTERIES

**ALTERNATOR** 6.55 to 7.5 volts

**CHARGER** 6.9 to 7.5 volts

**FLOAT CHARGE** 6.6 to 6.9 volts

**RAPID RECHARGE** (Constant Voltage Charger)  
Maximum voltage 7.8 volts.

## 12V BATTERIES

**ALTERNATOR** 13.3 to 15.0 volts

**BATTERY CHARGER** (Constant Voltage)  
13.8 to 15.0 volts, 10 amps, 12-15 hours approximate

**FLOAT CHARGE** 13.2 to 13.8 volts. 1 amp maximum current

**RAPID RECHARGE** (Constant Voltage Charger)  
Maximum voltage 15.6 volts. No current limit as long as temperature remains below 50°C. Charge until current drops below 1 amp.



## RECHARGE TIMES

Recharge times will vary according to temperature and charger characteristics. When using Constant Voltage chargers, current will taper down as the battery becomes recharged. When current drops below 1 amp, the battery will be close to a full stage of charge. Refer to individual battery specifications for exact charging parameters.

# CHARGERS & MAINTAINERS

Century's range of 6 & 12 Volt battery chargers can charge batteries rated up to 500Ah<sup>1</sup> and maintain batteries rated up to 750Ah. Incorporating patented rejuvenation technology, the chargers have the ability to recover heavily discharged batteries<sup>3</sup> and will activate from as low as 2 Volts<sup>2</sup>.



ITEM ID	PRODUCT TYPE	SELECTABLE VOLTAGE	CHARGING CAPACITY	MAINTAINING CAPACITY	SELECTABLE CURRENT	BATTERY TYPE	FEATURES
<b>CENTURY BATTERY CHARGERS &amp; MAINTAINERS</b>							
690012	CC6121.2 1.2A	6V/12V	4-24 Ah	4-100 Ah	1.2A	Lead-acid batteries	8-stage smart charging process
690015	CC1206-XLi 6A	12V	3-120 Ah	3-180 Ah	1A/3A/6A	Lead-acid / Lithium (LFP) batteries	9-stage <sup>4</sup> smart charging process LFP Wake Up-Power Supply
690013	CC1212-XLi 12A	12V	3-240 Ah	3-360 Ah	1A/8A/12A	Lead-acid / Lithium (LFP) batteries	9-stage <sup>4</sup> smart charging process LFP Wake Up-Power Supply
690016	CC1225-XLi 25A	12V	6-500 Ah	6-750 Ah	2A/15A/25A	Lead-acid / Lithium (LFP) batteries	9-stage <sup>4</sup> smart charging process LFP Wake Up-Power Supply Temperature Compensation <sup>3</sup>

<sup>1</sup> Based on 5 to 30% of battery Ah ratings. For optimum charging, 10% of battery Ah rating is recommended for flooded batteries and 20% of battery Ah rating is recommended for AGM & Gel batteries. <sup>2</sup> 3V/8V activation on the CC6121.2, when 6/12V setting is selected. <sup>3</sup> Only for Lead-acid batteries. <sup>4</sup> 7-stage on lithium mode.

# ONE ORDER – ONE DELIVERY – ONE INVOICE

For more information on OPTIMA® batteries or the range of products available from Century Yuasa Batteries contact your representative on **0800 93 93 93**.

**CenturyYuasa**

# THE ULTIMATE POWER SOURCE



**CenturyYuasa**



# OPTIMA® BATTERIES

A range of high performance batteries featuring revolutionary SPIRALCELL TECHNOLOGY® specially designed to deliver superior performance and longer life. Unlike standard batteries which incorporate flat plates, OPTIMA® batteries utilise spiral wound cells which provide greater resistance to vibration damage, deliver more efficient starting power and longer battery life.

- ✓ **Up to 2 x longer life than flat-plate batteries**
- ✓ **Lower self discharge for longer life**
- ✓ **15 x more vibration resistant than standard lead-acid batteries**
- ✓ **Exceptional starting power**
- ✓ **Maintenance free & non-spillable**
- ✓ **Dual purpose – deep cycling and cranking power in one battery\***

The OPTIMA® range of spiral cell Deep Cycle, Marine and Starting batteries are available from Century Yuasa Batteries, New Zealand's oldest and most recognised battery supplier.

\*Except REDTOP® batteries and BLUETOP® 34M.

## THE CENTURY YUASA DIFFERENCE

With one of New Zealand's most extensive distribution networks and an industry leading sales support and customer service network there are more reasons to choose Century Yuasa as your first choice supplier of OPTIMA® batteries:

- Extensive product range
- Locally held & readily available product
- Superior service & after sales support from local battery experts
- No minimum order requirement or conditions
- Comprehensive nationwide warranty
- Full product training

Simply add OPTIMA® products to your regular stock order [CenturyYuasa](#)



## YELLOWTOP® BATTERIES

The YELLOWTOP® high-performance AGM battery is one of the few true dual-purpose batteries available. With premium cranking power and impressive cycling capability, this heavy-duty battery is also perfect for modern accessory-loaded vehicles. Low internal resistance also provides more consistent power output and faster recharge.

- Spiralcell plate design offering the perfect mix of high cranking power and cyclic performance for superior vibration resistance and extended life.
- Resistant to wear from road corrugation and environment extremes.
- Up to 15 times more vibration resistant than traditional batteries making it the perfect starting and deep cycle battery for commercial vehicles, heavy equipment, RVs and 4WDs.



ITEM ID	BATTERY TYPE	WARRANTY*	VOLTS	CCA @ -18°C	MCA @ 0°C	RC @ 25°C	AH @ 20HR	Dimensions (mm)			POLARITY	WEIGHT (KG)	TERM TYPE	HOLD DOWN	SPECIAL FEATURES
								L	W	TH					
<b>REDTOP® BATTERIES</b>															
619000	25	36	12	720	-	90	44	237	170	195	D	14.4	STD	SIDE	AGM, CH, MF, SC, VR
619001	34/78	36	12	800	-	100	50	254	174	199	D	17.6	STD/FRONT	-	AGM, CH, MF, SC, VR
619002	6V	36	6	800	-	100	50	254	90	205	H	8.4	STD	END	AGM, CH, MF, SC, VR
<b>BLUETOP® BATTERY</b>															
639000	34M	36	12	800	1000	100	50	254	173	201	D	17.4	TWIN	-	AGM, CH, MF, SC, VR
<b>YELLOWTOP® BATTERIES</b>															
649000	D31A	36	12	900	-	155	75	324	165	237	H	27.1	STD	-	AGM, CH, MF, SC, VR
649001	D34/78	36	12	750	-	120	55	254	174	199	D	19.7	STD/FRONT	-	AGM, CH, MF, SC, VR

Special Features Key: AGM - Absorbed Glass Mat, CH - Carry Handles, MF - Maintenance Free, SC - Spiral Cell, VR - Vibration Resistant

## TERMINAL TYPES

STANDARD TERMINAL POST (STD)



TWIN TERMINAL POST (STD/THREADED)

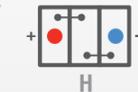


STANDARD / FRONT TERMINAL POST (STD / FRONT)

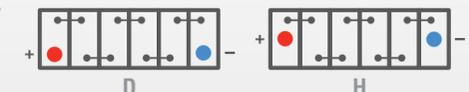


## CELL LAYOUT

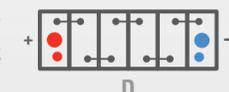
6 VOLT



12 VOLT



MULTI-TERMINAL 12 VOLT



## REDTOP® BATTERIES

The REDTOP® high-performance AGM battery is the ultimate starting battery and is designed to deliver a strong burst of ignition power for a reliable start-up every time. It has high-power delivery and extreme resistance to the most common causes of battery failure.

- Strongest starting burst.
- Up to 2 times longer life.
- 15 times more vibration-resistant.
- Spill Proof Design.



## BLUETOP® BATTERIES

The BLUETOP® is a high-performance AGM battery with exceptional running time and more recharges than you'd get out of a traditional battery. On top of providing outstanding vibration resistance, the BLUETOP®'s efficient power delivery and faster recharge time means you'll spend less time worrying about your battery. Optima's BLUETOP® is ideal for those who need a sure-starting, strong-cranking, maintenance-free power source.

- Withstands wave pounding.
- Resistant to terminal corrosion.
- Longer storage life for seasonal marine use.
- Zero Spills: Suitable for multi-angle fitment with no spilling.#



#Inverted mounting not recommended.



## WARRANTY PERIODS BY APPLICATION

APPLICATION	REDTOP®	BLUETOP®	YELLOWTOP®
Personal Starting (Non Commercial)	36 Months	36 Months	36 Months
Commercial Use	12 Months	12 Months	12 Months
Taxi Use	6 Months	6 Months	6 Months
Series String Applications with battery management system	Not Covered	12 Months	12 Months
Series String Applications without battery management system	Not Covered	1 Month	1 Month
Deep Cycle	Not Covered	Not Covered	12 Months



\*Warranty Information: If our testing determines this battery is defective we will replace it however the costs of delivering it to warranty location and collecting it and any replacement are yours. Claim must be made within warranty period stated on this battery. Dated proof of purchase is required. Warranty period for replacement starts on date of purchase of defective battery if replaced. Call 0800 93 93 93 to make a claim. Warranty does not cover defects due to abuse, damage, neglect, sulphation, over or under charging, normal wear and tear or incorrect application, installation or maintenance. The benefits of this warranty are in addition to other rights and remedies available at law. Our goods come with guarantees that cannot be excluded under the New Zealand Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

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