

### Portable Light Sets:

This is another example of where you can substitute longer lasting, sealed Optima AGM batteries for the flooded wet batteries that come standard in many light sets. The Optimas also better withstand the long periods of non-use common with this equipment.

Pictures below depict a typical light set with an original flooded lead acid battery, and then replaced with an Optima model 34/78 battery.

As an option, any Optima group size 34 model could be used in this application. Contact us with any questions you have about battery replacement options.



Original flooded lead acid battery



Optima model 34/78

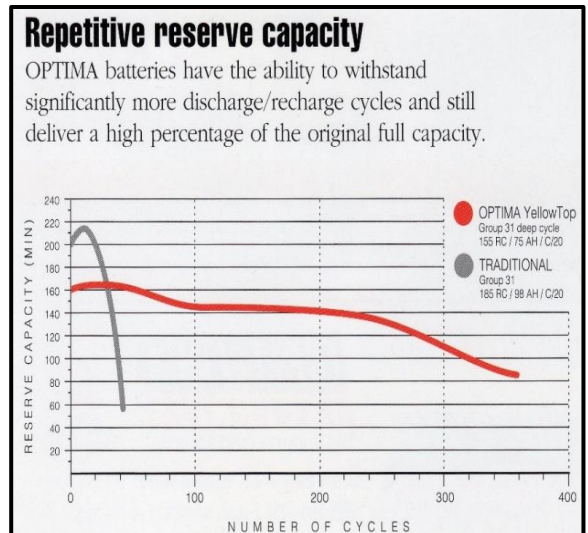


NSN 6140-01-374-2243

### Ever heard of repetitive reserve capacity?

It is another important battery capability that sets Optima apart from the competition.

Optimas Yellow Tops have a better capability to withstand many more discharge/recharge cycles and still be recharged to a higher percentage of rated Reserve Capacity (RC). As the battery ages, the Optima retains more of its RC than compared to a flat plate battery. Even though the Optima Spiralcell may start out with a lower RC it doesn't take much time in the field before it's outperforming flat plate batteries. The chart on the right compares a flat plate group 31 battery having a higher rated RC capacity with the Optima Yellow Top group 31. Notice how quickly the flat plate capacity degrades while the Spiralcell Optima retains its RC output. And, our Red Top models will have similar advantages when compared to flat plate car batteries.





# Optima, The Warfighters' Ultimate Power Source

## Newsletter - #6

Here are the most common Optima NSNs available from Mil Supply. Visit us at [www.milbatteries.com](http://www.milbatteries.com) for additional information on these batteries or a complete NSN listing.

| Model#   | Description  | NSN              | CCA |
|--|--|------------------|-----|
| <b>Yellow Top - DUAL PURPOSE Deep Cycle &amp; Engine Start</b> |  |                  |     |
| D51  | For Asian vehicles and specialty Mil equipment.  | 6140 01 523 6288 | 450 |
| D51R   | Replacement for <b>2HN flooded</b> .   | 6140 01 529 7226 | 450 |
| D34  | Group 34 size, top post only. <b>Alternative to 34 Red Top.</b>                                  | 6140 01 450 0141 | 750 |
| D34/78   | Group 34 size. Dual terminal, Top posts and side terminals. <b>Alternative to 34/78 Red Top.</b> | 6140 01 441 4272 | 750 |
| D31T   | Group 31 size battery for commercial & engineer equipment. 3/8". Threaded stud terminals.        | 6140 01 457 5469 | 900 |
| D31A   | Group 31 size for commercial & engineer equipment. Automotive terminals.                         | 6140 01 502 4973 | 900 |
| <b>Blue Top - DUAL PURPOSE Deep Cycle &amp; Engine Start</b>   |  |                  |     |
| D34M   | Group 34 size battery for boats, cars, support equipment, and others, including M777 Howitzer.   | 6140 01 475 9355 | 750 |
| D31M   | Group 31 size battery for large commercial & engineer equipment & boats.                         | 6140 01 502 4405 | 900 |
| <b>Red Top - Engine Start ONLY</b>                             |  |                  |     |
| 75/25  | Smaller battery. Top posts and side terminals.   | 6140 01 475 9361 | 720 |
| 34   | Group 34 size. Top post. Used on many vehicles, generators, pumps, etc.                          | 6140 01 378 8232 | 800 |
| 34/78  | Group 34 size. Top posts and side terminals.   | 6140 01 374 2243 | 800 |
| 34R  | Group 34 size. Top post. Reversed terminals.   | 6140 01 475 9357 | 800 |
| 34VX   | Group 34 size. Same as 34/78 with extra added vibration resistance. Used in MRAP M-ATV.          | 6140 01 534 6466 | 800 |
| <b>Blue Top - Engine Start Only</b>                            |  |                  |     |
| 34M  | Group 34 size. Not for deep cycle use.   | 6140 01 526 2605 | 800 |

### New 24-volt, 3kW generator battery from Gill, 6140-01-610-6102

50% more cranking power! Can sit longer between use. Sealed, AGM design. US Military approved. DLA recently received an order; get your requisitions in before they run out!

Want to get the most out of your batteries?  
Free on-site battery maintenance procedures and training.  
Proven to be effective at reducing lead acid battery consumption.

More info: [www.milbatteries.com](http://www.milbatteries.com) Tel: 970-586-0660, Email: [info@milbatteries.com](mailto:info@milbatteries.com)

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