



Deka ordnance batteries outrank the requirements for power and reliability.

- Specially designed to meet military specifications. Certificate of compliance available on request.
- Available **wet** or **dry**.
- Up to **750 CCA** and **230 min. reserve capacity**
- Maintenance-free types feature **calcium grids with microporous polyethylene envelope separators** and **double glass-mat insulation**.
- **Screw-in vents** are submersible to 4-foot underwater and make battery maintainable in case of accidental overcharging.
- **Full-frame compu-cast grids, heavy-duty plates, high density oxide and pure, demineralized electrolyte** prevent internal shorts and withstand high cycling service for longest battery life.
- **Durable ribbed polypropylene case** provides protection in abusive applications.
- Special leak resistant cover keeps battery compartments clean and dry up to a 45° tilt.
- **Anchor lock elements** resist vibration damage for longer service life.
- Most models include **handles** for ease of transportation and installation.
- Over **250 quality control checks** assure reliability and long service life.
- **Made in the U.S.A...**
Your assurance of quality.



2HND – dry ordnance battery
4HND – dry ordnance battery
6TMF – wet maintenance-free ordnance battery



QUALITY SYSTEM
 CERTIFIED TO
ISO 9001
ISO/TS 16949
ISO 14001

GROUP NO.	TYPE NO.	FOOTNOTES	PERFORMANCE LEVEL			VOLTS	QTS. OF ACID	APPROXIMATE WEIGHT		MAXIMUM OVERALL DIMENSIONS (in inches and mm)										
			CCA @ 0°F	RESERVE CAPACITY	20 AH RATE			WET	DRY	L	W	H								
ORDNANCE																				
2HN	2HND	12,21,25,32	400	75	45	12	2.9	—	25.0	10%	260	5 1/4	133	9	229					
4HN	4HND	11,17,21,25,32	235	28	21	24	2.9	—	27.5	10%	260	5 1/4	133	9	229					
6TL	6TMF	6,17,21,25,30	750	230	120	12	7.6	73.0	52.0	11%	286	10 1/2	267	9	229					

FOOTNOTES:

- 6 - Black cover / Brown case
- 11 - Low maintenance-low antimony grids
- 12 - Hybrid construction
- 17 - Includes handle
- 21 - Anchor lock elements
- 25 - With individual vent caps
- 30 - Available dry-add "D" suffix to part number
- 32 - Available dry charged only

– All batteries manufactured in polypropylene cases except where noted.
 – Maintenance-free batteries have microporous, polyethylene envelope separators.

"POWERED FOR PERFORMANCE"®

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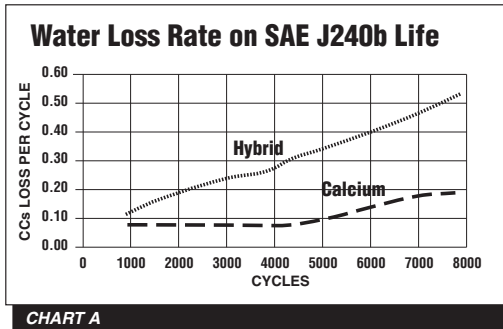
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ORDNANCE BATTERIES

The **Deka** Ordnance Battery Calcium Maintenance-Free Advantage

Many battery manufacturers market hybrid batteries as their maintenance-free line.

A hybrid battery is made with one calcium and one low antimony plate. These designs may have low initial cost, but are vastly inferior in performance when compared to genuine calcium technology. All Deka Maintenance-Free Ordnance batteries are engineered with pure calcium grids. They contain no antimony, ensuring longest optimal performance.



Advantage #1 - DECREASED WATER LOSS

Chart A clearly shows the dramatic difference in the rate of water loss between Deka Calcium Maintenance-Free Ordnance and hybrid batteries. As a hybrid battery cycles, antimony transfers from the positive to the negative plate. This antimony buildup actually decreases the voltage, which causes the battery to gas and lose water.

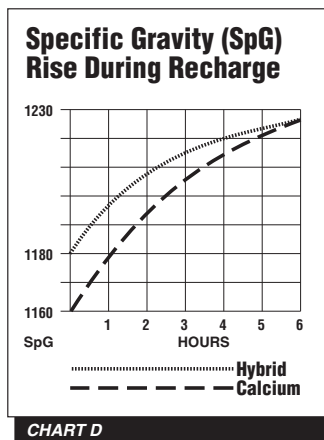
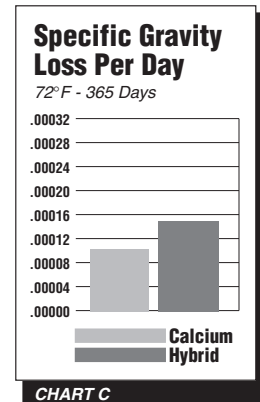
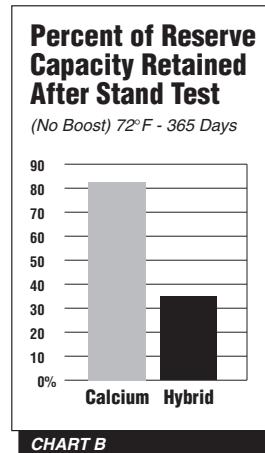
Deka pure calcium batteries create no harmful antimony, and therefore use *less* water as they cycle.

Advantage #2 - SUPERIOR RESERVE CAPACITY

Chart B compares the percent of reserve capacity retained while in stock, without recharging. Over a 12-month period, the Deka Calcium Maintenance-Free Ordnance battery retains more than 80 percent of its rated capacity, while the hybrid design *loses* over 60 percent. In fact, after 12 months without charging, many hybrid batteries will not hold a charge. Calcium maintenance-free batteries recharge easily, with no capacity loss.

Advantage #3 - LOWER STAND LOSS

Another factor to consider when comparing batteries is the specific gravity and open circuit voltage loss per day. Every battery suffers some stand loss from self-discharge. The lower the stand loss, the more powerful the battery. As illustrated in Chart C, Deka Calcium Maintenance-Free Ordnance batteries experience dramatically lower stand loss than hybrid designs.



Advantage #4 - RECHARGEABILITY

Deka Calcium Maintenance-Free Ordnance batteries recharge as well as or better than hybrid designs. In fact, as Chart D shows, a Deka Calcium Maintenance-Free battery starting at a lower specific gravity has virtually the same state of charge as a hybrid battery after six hours of charging.

Conclusion

Deka Calcium Maintenance-Free Ordnance batteries simply perform better in every significant test. When performance matters, depend on Deka.