

GROUP 31 COMPARISONS

SUPERSTART	CCA @ 0° F	RES. CAP. @ 80° F	ENERSYS	AC DELCO PROFESSIONAL	EXIDE	SUPERIOR	INTERSTATE	NORTHSTAR
DUAL PURPOSE – CYCLE SERVICE & STARTING								
31HD	730	190	—	31AP FLEET	—	SDA29, SDA31-45	31P-ECL	—
31HD-T	730	190	—	DC31, 31TS FLEET	31XHCD	—	31-ECL	—
AGM								
AGM31DT	800	200	—	31AGM CRT	RF-31	—	—	—
AGM31T	925	190	—	—	XRF-31D	—	31-AGM7	—
AGMFH31T	925	190	31-PC2150 31-800	31AGMCRT	XRF-310		31-AGM7	NSB-AGM-31

GROUP 31 QUICK REFERENCE GUIDE

SUPERSTART	HEAVY & MEDIUM DUTY TRUCK (Class 6, 7 & 8) QUICK REFERENCE BATTERY APPLICATION CHART
SLEEPER CAB	Minimum of four (4) Dual Purpose Batteries with a low voltage disconnect or battery management system – 31HD, 31HDT, AGM31DT, AGMFH31T
DAY CAB LINE HAUL	Starting Battery with the number of batteries determined by the CCA capacity – 31-4, 31-4T, 31-5, 31-5T, AGM31T, AGM31DT, AGMFH31T
DAY CAB DELIVERY*	Dual Purpose Batteries with the number of batteries per truck determined by the engine CCA requirement – 31HD, 31HDT, AGM31T, AGM31DT, AGMFH31T
PACKAGE & DELIVERY*	Dual Purpose Batteries with the number of batteries per truck determined by the engine CCA requirement – 31HD, 31HDT, AGM31DT, AGMFH31T
REEFER	Dual Purpose Batteries – 31HD, 31HDT, AGM31T, AGM31DT, AGMFH31T
HVAC UNITS LIFT GATES APU SYSTEM	Deep Cycle Performance – AGM31DT, AGMFH31T

* Over 20 stops a day and for models newer than 2011, use the 31HD, 31HDT, AGM31DT, or AGMFH31T



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CYCLE SERVICE
COMMERCIAL
BATTERIES



UPGRADE YOUR ELECTRICAL SYSTEM



Big rigs / long hauls with reefer units benefit!



Easily handles 20 stops or more per day!



Increased key-off power supply!



DUAL PURPOSE CYCLE SERVICE BATTERIES

Ideal for: Sleeper Cabs, Day Cab, Delivery trucks, School Buses, Lift Gates, and Reefer Units

Special Cycle Service Reinforcement

SEPARATOR INSULATED FIBERGLASS MATS

Reinforce plate to better withstand demand cycling service

HIGH DENSITY OXIDE

Hold more reserve power for accessory equipment

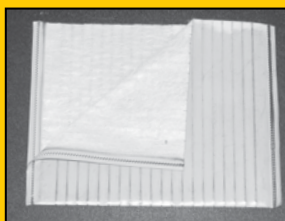


WHY CUSTOMERS SHOULD UPGRADE TO DUAL PURPOSE

- Do they power electronics without the engine running?
- Does their cab have multiple power-hungry devices?
- Do they undergo short trips with a lot of stop and starts?
- Do they value extra durability from a reinforced internal battery design?



Heavier plates mean longer life



Fiberglass strands imbed themselves into plate surface for reinforcement.

PREMIUM AGM BATTERIES

Ideal for: Day Cab, High-Starting Sleeper Cab, Dump Truck, HVAC, APU, Lift Gates, Reefer Truck

Special Cycle Service Reinforcement

GLASS MAT SEPARATORS AND REINFORCED PLATES

Creates maximum reinforcement for cycle service demands

OPTIMIZED COMPONENT COMPRESSION

AND ABSORBED ELECTROLYTE

More efficient power delivery system with superior resistance to vibration



WHY CUSTOMERS SHOULD UPGRADE TO AGM

- Do they power electronics without the engine running?
- Does their cab have high demanding power-hungry devices?
- Do their vehicle have parasitic draws that drains power from the battery even when it's not running?
- Are the batteries being used to power a HVAC or APU system?
- Do they value the extra starting confidence of a premium product?
- Do they value a better longer-term investment over an initial lower price?



Electrolyte absorbed glass mats completely protect the plates for premier cycle service power and longer life.



Even if turned on its side, advanced AGM technology will not spill and has superior resistance to vibration damage.



**SUPER
START**
FLEET &
HEAVY DUTY