

# Discover<sup>®</sup> MIXTECH<sup>EMX</sup>

*MARINE/RV STARTING*



THE MOST SIGNIFICANT IMPROVEMENT IN A BATTERY IN 50 YEARS.



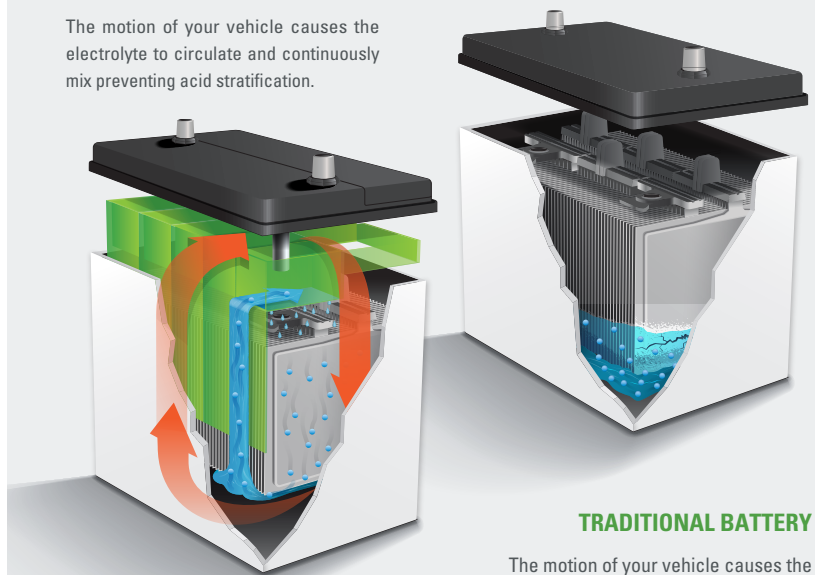
## MIXTECH TECHNOLOGY PREVENTS ACID BUILD UP FROM KILLING YOUR BATTERIES AND EXTEND THEIR LIFE.

It's 100% maintenance-free, maintains superior dynamic charge acceptance and maintains higher sustained Cold Cranking Amp performance versus other conventional batteries in marine and recreational vehicle applications.

## MIXTECH: BATTERIES REMIXED

### MIXTECH BATTERY

The motion of your vehicle causes the electrolyte to circulate and continuously mix preventing acid stratification.



### TRADITIONAL BATTERY

The motion of your vehicle causes the heavier acid in the electrolyte to settle at the bottom which leads to excess corrosion and charge imbalance. This is known as acid stratification.

# FACT: ACID STRATIFICATION CAUSES SULFATION WHICH DESTROYS YOUR BATTERY'S PLATES, REDUCING ITS RESERVE CAPACITY, CRANKING ABILITY AND LIFE. THAT'S BAD, WE FIXED THAT.

Indoors, Outback, Offshore or On duty, Discover has a complete line of marine and recreational vehicle starting, dual purpose and deep cycle batteries that will get you where you want to go and more importantly, get you back again.

MIXTECH EMX Marine/RV starting batteries combine patented acid mixing technology with expanded metal grids and advanced active materials to produce a premium high cranking amp starting battery specifically designed for today's high performance marine engines.

Discover's patented acid mixing technology virtually eliminates acid stratification and the associated high temperature acid concentrations that accelerate internal plate corrosion, battery dry out, and capacity loss and early battery failure.

MIXTECH EMX Marine/RV starting batteries maintain dynamic charge acceptance greater than 1.5x over other conventional batteries without countermeasure against acid stratification,

meaning your battery will accept a charge faster and more completely than conventional batteries when put back into service after sitting for extended periods of off-season storage.

Acid stratification causes the useful active material in the battery to be reduced by 40% within six to eight months of normal use creating what is known in the industry as dead lead. This dead lead or inactive active material reduces the battery's available capacity to support electrical loads or engine cranking needs. MIXTECH EMX batteries are tested and proven to provide dramatically improved active material utilization, delivering up to 2x the micro-cycle life of comparable conventional batteries without mixing according to OEM TEST STANDARD 75073.7.14.

MIXTECH EMX Marine/RV Starting batteries are made with rugged sealed and maintenance-free cases and covers with molded in flame arrestors for safety. Dual terminals provide easy connection to SAE posts and/or corrosion resistant stainless steel studs.

INDUSTRY REFERENCE	SHORT CODE	ELECTRICAL SPECIFICATIONS				MECHANICAL SPECIFICATIONS				
		AH	RC	CA	CCA	LENGTH IN(MM)	WIDTH IN(MM)	HEIGHT IN(MM)	TOTAL HEIGHT IN(MM)	TERMINAL
		20HR	80°F/27°C	80°F/27°C	0°F/-18°C					
<b>EMX STARTING BATTERIES</b>										
24MS	M407	45	80	630	500	10.1 (257)	6.8 (172)	7.9 (200)	8.7 (220)	AM
	M409	50	90	700	550	10.1 (257)	6.8 (172)	7.9 (200)	8.7 (220)	AM
	M413	60	110	800	650	10.1 (257)	6.8 (172)	7.9 (200)	8.7 (220)	AM
	M415	65	120	900	700	10.1 (257)	6.8 (172)	7.9 (200)	8.7 (220)	AM
	M417	70	130	950	750	10.1 (257)	6.8 (172)	7.9 (200)	8.7 (220)	AM
	M419	75	140	1000	800	10.1 (257)	6.8 (172)	7.9 (200)	8.7 (220)	AM
27MS	M449	70	130	950	750	11.9 (302)	6.8 (172)	7.9 (200)	8.7 (220)	AM
	M451	75	140	1000	800	11.9 (302)	6.8 (172)	7.9 (200)	8.7 (220)	AM
	M455	80	150	1050	830	11.9 (302)	6.8 (172)	7.9 (200)	8.7 (220)	AM
31MS	M411	100	190	1150	900	13.0 (330)	6.8 (172)	8.7 (220)	9.4 (240)	AM



AM = SAE A & stainless steel 5/16" stud

