

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

THE MOST SIGNIFICANT IMPROVEMENT IN A BATTERY IN 50 YEARS.



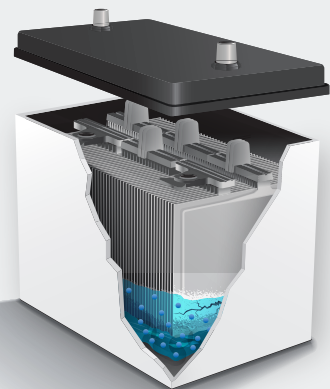
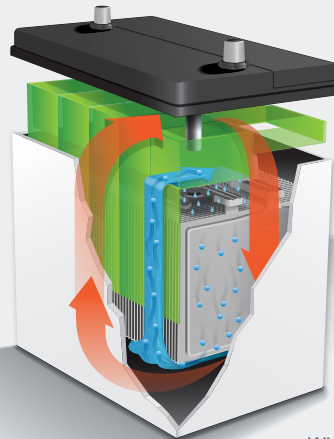
## MIXTECH TECHNOLOGY PREVENTS ACID BUILD UP FROM KILLING YOUR BATTERIES AND EXTEND THEIR LIFE.

It's 100% maintenance-free, provides superior sustained performance, and offers the lowest total cost of ownership versus other conventional batteries in the industry.

## MIXTECH: BATTERIES REMIXED

### MIXTECH BATTERY

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



### TRADITIONAL BATTERY

Without MIXTECH, acid in the electrolyte settles at the bottom which leads to excess corrosion and charge imbalance. This is known as acid stratification.



# FACT: ACID BUILDUP IS PREMATURELY KILLING YOUR BATTERIES AND ERODING YOUR BOTTOM LINE.

## THAT'S BAD. WE FIXED THAT.

Discover MIXTECH EFB Commercial batteries incorporate patented acid mixing technology with the latest Enhanced Flooded Battery (EFB) breakthroughs in lead alloys and unique carbon additives to significantly improve dynamic charge acceptance and micro cycle life.

MIXTECH technology is a patented passive device that uses the natural movement of the vehicle to keep the acid throughout the battery in constant circulation to prevent acid stratification, the #1 cause of premature performance loss and battery failure in the industry. Battery acid is maintained at homogeneous levels enhancing charge acceptance and active material utilization and extends battery life. Discover MIXTECH EFB Commercial batteries:

- Eliminates acid build up that prematurely destroys battery capacity and life
- Increases material utilization providing superior sustained performance and increased life
- Decreases thermal gradients dramatically improving life in extreme temperature operation
- Significantly improves dynamic charge acceptance reducing alternator wear & tear, & increasing fuel savings
- Utilise enhanced alloys & additives, improving life in Start-Stop & Anti-Idle applications
- Battery cells are element bonded, increasing vibration resistance and short circuit protection
- MIXTECH EFB 4D and 8D<sup>1</sup> batteries are made with 0.87 in (22mm) internal terminal straps and 0.70 in (17mm) intercell welds provide the greatest vibration resistance, low voltage cranking ability and highest current pathway of any commercial battery in the industry
- Central Degassing covers with integrated flame arrestors collect & discharge gas away from terminals improving safety & reducing terminal corrosion.
- MIXTECH EFB posses the world's highest combined reserve capacity and cold cranking power in a flooded battery technology with built in acid stratification countermeasures (MIXTECH Technology)

MIXTECH EFB batteries maintain dynamic charge acceptance greater than 2x when compared with conventional or EFB batteries without acid mixing elements. MIXTECH EFB provides 3x the micro-cycle life of comparable conventional batteries<sup>2</sup> and supports micro-cycling (<17.5% DoD) applications that operate at a Partial State of Charge.

These Purpose Built batteries are high power replacement market parts that exceed the OEM performance requirements of standard, EFB or AGM batteries in Start-Stop and Anti-Idle vehicles. MIXTECH EFB batteries can be used to replace conventional original equipment EFB and AGM batteries that do not require deep-cycle design features.



**EFB4D**  
1800CA / 1400CCA  
205Ah / 435RC

**EFB8D**  
1900CA / 1500CCA  
225Ah / 475RC



Drop terminals for transit bus installation. BCI 8D and BCI 4D models are both available with drop terminals<sup>3</sup> for transit bus installation.



<sup>1</sup> 4D and 8D Models available with drop terminals for transit bus installation <sup>2</sup> OEM Test Standard 75073.7.14. <sup>3</sup> Positive Terminal: 1/2" and 3/8" Stud Negative Terminal: 3/8" Stud.