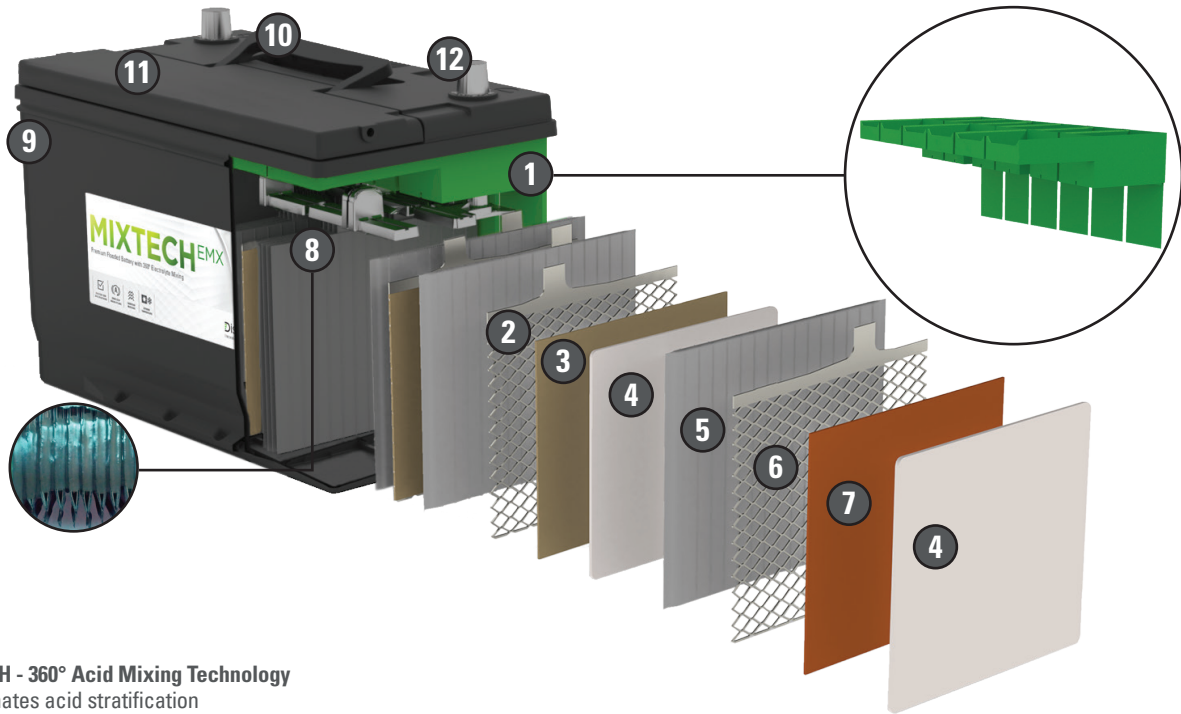


# Discover<sup>®</sup> MIXTECH<sup>EMX/ECL</sup>

THE MOST SIGNIFICANT IMPROVEMENT IN A BATTERY IN 50 YEARS.



### MIXTECH - 360° Acid Mixing Technology

- Eliminates acid stratification
- Minimizes sulphation preventing premature capacity loss
- Ensures uniform material utilization guaranteeing longer high performance life
- Maintains Dynamic Charge Acceptance essential for highly equipped vehicles with intense driving schedules
- Delivers longer battery life in extreme temperatures

1

2

**Enhanced Negative Grids with increased active material density** improve plate strength and enhanced cycle life in cyclic/starting applications.

3

4

**Fiber-lock Scrim** reduces active material erosion on positive and negative plate

### Envelope (+) Glass Mat Separators

- Reduce internal resistance and short circuits
- Increases cell compression and reduces plate shedding
- Provides active mass stability and quicker recharging over conventional batteries

5

6

### Calcium Tin Alloys in thick Positive Grids

- Increase corrosion resistance and life
- Increase strength and reliability

7

**Thick Positive Grids with increased active material density** and additives that increase active material to grid bonds, reduce internal resistance, promote high cranking power and improve high cycle performance and life

8

**Element Bonding** provides vibration resistance and helps to resist positive plate growth

9

**Reinforced Polypropylene Case** utilizes completely sealed cover for true maintenance free performance

10

Integrated carry handles

11

**Central Degassing** manifold with integrated flame arrestors collect and discharge gas away from terminals improving safety and reducing terminal corrosion. Gasses travel through a spider-web like maze within the manifold trapping the water & electrolyte vapors re-combining them back into the battery preventing premature dry out.

12

Cold forged SAE terminals



Na<sub>2</sub>SO<sub>4</sub> Sodium Sulphate additives improve the cycle life, charge acceptance and maintenance-free operations