

# EDrive ATEX

The traction battery  
for ex zones.



Explosion-proof  
Longer service life  
Very intensive use



#### Applications:

Internal logistics  
Cleaning machines  
Electric vehicles

The EDrive ATEX gives you every guarantee when it comes to safety. This traction battery is available for the various danger zones. The container is adapted where necessary to meet the guidelines. All parts used for these batteries are ATEX certified. EDrive ATEX batteries are not only developed with safety in mind. The cells used for this are EDrive Premium Traction cells. This way, you can also enjoy a maximum use and lifetime of your battery. Emrol has extensive experience in supplying ATEX batteries.

## Advantages EDrive ATEX

- Explosion-proof
- Available for ATEX zones
- Longer service life
- Cells for very intensive use
- Qualitative, reliable, robust
- Full range DIN & BS, Gel according to EU standards
- Complies with the European directives 2014/34/EU and EN/IEC 60079-0, 60079-7, 60079-31 standards
- Robust and solid construction
- Possibility of acid circulation
- European production
- Correct choice of single/double pole
- Warranty: 2 years plus 2 years digressive



# What is an ATEX zone?

The term ATEX is used in an area at risk of explosion under certain atmospheric conditions. In an ATEX environment, a total of 6 different zones can be distinguished. Each zone contains specific risks and its own regulations. Batteries can be used safely in 4 zones. Here 2 zones are defined as gas zones and 2 as dust zones where an explosive atmosphere is present or can be present.



Zone	Explosion risk	Frequency of gas or dust formation
Zone 1	Gas explosion risk	Between 0.1% and 10% of operating time
Zone 2	Gas explosion risk	< 0,1% of the operating time
Zone 21	Dust explosion risk	Between 0.1% and 10% of operating time
Zone 22	Dust explosion risk	< 0,1% of the operating time

These zones fall under Group II, activities that take place above ground.

## Automatic water filling system (option)



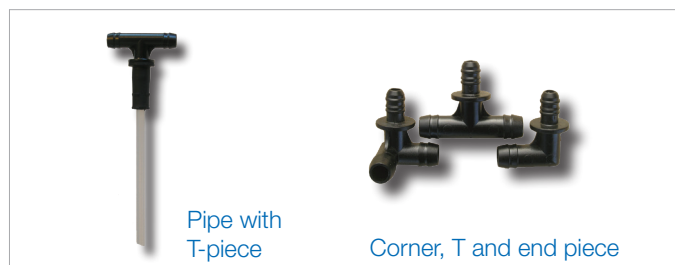
### Water filling system: what and why?

During the charging of a battery, water will be converted into oxygen and hydrogen by electrolysis, therefore the liquid level in the battery will systematically decrease. Insufficient liquid in a battery is a major cause of premature failure. Thanks to the BFS III battery water refilling system, the process of refilling water is automated. The BFS filling system is made of high quality material and is very easy to install. This makes BFS III the most flexible and reliable filling system in its category.

### Advantages

- Fast process
- Very easy to install
- Flexible rubber hoses
- Water barrels and deionisation devices available

## Acid circulation (option)



### Acid circulation: what are the advantages?

- Energy savings: shorter charging times
- Longer service life: excessive charging is avoided and avoided, which puts less strain on the battery plates
- Less water consumption
- Intermediate charging: one of the problems with intermediate is stratification and this is perfectly eliminated by acid circulation. eliminated by acid circulation.

### Ecobat Battery

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